

FILE 'HOME' ENTERED AT 18:04:13 ON 20 OCT 2002

=\ b medline uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 18:04:33 ON 20 OCT 2002

FILE 'USPATFULL' ENTERED AT 18:04:33 ON 20 OCT 2002  
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=\ s (c57b1(6)) and propythiouracil

L1 0 (c57b1(w) 6) AND PROPYTHIOURACIL

=\ s (c57b1(6)) and propylthiouracil

L2 3 (c57b1(w) 6) AND PROPYLTHIOURACIL

=\ dup rem 12

PROCESSING COMPLETED FOR L2

L3 3 DUP REM L2 (0 DUPLICATES REMOVED)

=\ d 13 ikib aks tot kwic

L5 ANSWER 1 OF 3 USPATFULL

ACCESSION NUMBER: 2002211956 USPATFULL  
TITLE: 17 human secreted proteins  
INVENTOR(S): Fosen, Craig A., Laytonsville, MD, UNITED STATES  
Komatsoulis, George A., Silver Spring, MD, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Hirse, Charles E., North Potomac, MD, UNITED STATES  
Scoppe, Daniel R., Centreville, VA, UNITED STATES  
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Wei, Ping, Brookeville, MD, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Fuan, D. Roxanne, Bethesda, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Choi, Gil H., Rockville, MD, UNITED STATES  
Fiscella, Michele, Bethesda, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

NUMBER	KIND	DATE
--------	------	------

----- ----- -----

PATENT INFORMATION:

US 2002120103 A1 20020829

APPLICATION INFO.:

US 2001-315582 A1 20010727 (9)

RELATED APPLN. INFO.:

Continuation-in-part of Ser. No. WO 2001-US1431, filed  
on 17 Jan 2001, UNKNOWN

NUMBER	DATE
--------	------

----- ----- -----

PRIORITY INFORMATION: US 2000-179065P 20000131 (60)  
US 2000-180628P 20000204 (60)  
US 2000-231968P 20000912 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23  
EXEMPLARY CLAIM: 1  
LINE COUNT: 20680

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DET D . . . as L-T.sub.4.TM., SYNTROID.TM. and LEVOTHROID.TM.  
(levothyroxine sodium), L-T.sub.3.TM., CYTOMEL.TM. and TRIOSTAT.TM.  
(liothyroine sodium), and THYROLAR.TM. (liotrix); antithyroid compounds  
such as 6-n-propylthiouracil (propylthiouracil),  
1-methyl-2-mercaptopimidazole and TAPAZOLE.TM. (methimazole),  
NEO-MERCAZOLE.TM. (carbimazole); beta-adrenergic receptor antagonists  
such as propranolol and esmolol; Ca.sup.2+ channel blockers;  
dexamethasone and iodinated. . .  
DET D . . . a polypeptide of the invention at 150 ng/ml at 4 degrees C.  
and  
drawn into cold 3 ml syringes. Female C57B1/6 mice  
approximately 8 weeks old are injected with the mixture of Matrigel and  
experimental protein at 2 sites at the. . .

L3 ANSWER 2 OF 3 USPATFULL

ACCESSION NUMBER: 2002:148614 USPATFULL  
TITLE: 28 human secreted proteins  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Fosen, Craig A., Laytonsville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Zeng, Zhizhen, Lansdale, PA, UNITED STATES  
Kyaw, Hla, Frederick, MD, UNITED STATES  
Fischer, Carrie L., Burke, VA, UNITED STATES  
Li, Haodong, Gaithersburg, MD, UNITED STATES  
Scoppe, Daniel P., Centreville, VA, UNITED STATES  
Gentz, Reiner L., Rockville, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Painted Post, NY, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002076756	A1	20020620
APPLICATION INFO.:	US 2001-853161	A1	20010511 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-265523P	20010202 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	

LINE COUNT: 17788

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . as L-T.<sub>4</sub>.TM., SYNTROID.TM. and LEVOTHROID.TM. (levothyroxine sodium, L-T.<sub>3</sub>.TM., CYTOMEL.TM. and TRICSTAT.TM. (liothyroine sodium), and THYROLAR.TM. (liotrix); antithyroid compounds such as 6-n-**propylthiouracil (propylthiouracil)**, 1-methyl-2-mercaptopimidazole and TAPAZOLE.TM. (methimazole), NEO-MERCAZOLE.TM. (carbimazole); beta-adrenergic receptor antagonists such as propranolol and esmolol; Ca.<sup>2+</sup> channel blockers; dexamethasone and iodinated . . .

DETD . . . a polypeptide of the invention at 150 ng/ml at 4 degrees C. and

drawn into cold 3 ml syringes. Female **C57BL/6** mice approximately 8 weeks old are injected with the mixture of Matrigel and experimental protein at 2 sites at the. . .

I.3 ANSWER 3 OF 3 USPATFULL

ACCESSION NUMBER: 200212131 USPATFULL  
TITLE: 18 Human secreted proteins  
INVENTOR(S): Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Soppet, Daniel E., Centreville, VA, UNITED STATES  
Ruten, Steven M., Olney, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002012966	A1	20020131
APPLICATION INFO.:	US 2001-763326	A1	20010125 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. WO 2000-US22350, filed		on 15 Aug 2000, UNKNOWN

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-143759P	19990816 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	18157	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . as L-T.<sub>4</sub>.TM., SYNTROID.TM. and LEVOTHROID.TM. (levothyroxine sodium, L-T.<sub>3</sub>.TM., CYTOMEL.TM. and TRICSTAT.TM. (liothyroine sodium), and THYROLAR.TM. (liotrix); antithyroid compounds such as 6-n-**propylthiouracil (propylthiouracil)**,

1-methyl-2-mercaptopimidazole and TAPAZOLE.TM. (methimazole),  
NEC-MECAZOLE.TM. (carkimazole); beta-adrenergic receptor antagonists  
such as propranolol and esmolol; Ca.sup.2+ channel blockers;  
dexarnethasone and iodinated. . .

DETD . . . a polypeptide of the invention at 150 ng/ml at 4 degrees C and  
drawn into cold 3 ml syringes. Female **C57B1/6** mice  
approximately 8 weeks old are injected with the mixture of Matrigel and  
experimental protein at 2 sites at the. . .

=> b biosis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATE: COST	8.99	9.20

FILE 'BIOSIS' ENTERED AT 18:06:59 ON 20 OCT 2002  
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC. (R)

FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNS) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 16 October 2002 (20021016/ED)

=> s (c57b1()6) and propylthiouracil

1681 C57B1  
1348624 6  
961 C57B1(W)6  
2082 PROPYLTHIOURACIL  
L5 9 (C57B1(W)6) AND PROPYLTHIOURACIL

=> b lifesci

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATE: COST	0.83	10.03

FILE 'LIFESCI' ENTERED AT 18:07:18 ON 20 OCT 2002  
COPYRIGHT (C) 2002 Cambridge Scientific Abstracts (CSA)

FILE COVERS 1973 TO 8 Oct 2002 (20021008/ED)

=> s (c57b1()6) and propylthiouracil

616 C57B1  
182341 6  
417 C57B1(W)6  
333 PROPYLTHIOURACIL  
L5 9 (C57B1(W)6) AND PROPYLTHIOURACIL

=> b embase

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATE: COST	0.94	10.97

FILE 'EMBASE' ENTERED AT 18:07:29 ON 20 OCT 2002  
COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.

FILE COVERS 1974 TO 17 Oct 2002 (20021017/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (c57b1()6) and propylthiouracil

1315 C57B1  
800375 6  
738 C57B1(W) 6  
4763 PROPYLTHIOURACIL  
L6 0 (C57B1(W) 6) AND PROPYLTHIOURACIL

=> b medline caplus lifesci embase uspatfull biosis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.11	12.08

FILE 'MEDLINE' ENTERED AT 18:08:06 ON 20 OCT 2002

FILE 'CAPLUS' ENTERED AT 18:08:06 ON 20 OCT 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'LIFESCI' ENTERED AT 18:08:06 ON 20 OCT 2002  
COPYRIGHT (C) 2002 Cambridge Scientific Abstracts (CSA)

FILE 'EMBASE' ENTERED AT 18:08:06 ON 20 OCT 2002  
COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.

FILE 'USPATFULL' ENTERED AT 18:08:06 ON 20 OCT 2002  
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 18:08:06 ON 20 OCT 2002  
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC. (R)

=> s (c57b1()6) and (methimazole or carbamazole)

L7 3 (C57B1(W) 6) AND (METHIMAZOLE OR CARBAMIZOLE)

=> dup rem 17

PROCESSING COMPLETED FOR L7  
L8 3 DUP REM L7 (0 DUPLICATES REMOVED)

=> d 18 ibib abs tot kwic

L8 ANSWER 1 OF 3 USPATFULL  
ACCESSION NUMBER: 2002:221958 USPATFULL  
TITLE: 17 human secreted proteins  
INVENTOR(S): Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Komatoulis, George A., Silver Spring, MD, UNITED STATES  
Baker, Kevin P., Darnestown, MD, UNITED STATES  
Birse, Charles E., North Potomac, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Wei, Ping, Brookeville, MD, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Duan, D. Roxanne, Bethesda, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Choi, Gil H., Rockville, MD, UNITED STATES

Fiscella, Michele, Bethesda, MD, UNITED STATES  
Ni, Jian, Germantown, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

PATENT INFORMATION: US 2002100103 AI 20020819  
APPLICATION INFO.: US 2001-915582 AI 20010727 (3)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2001-US1431, filed  
on 17 Jan 2001, UNKNOWN

PRIORITY INFORMATION: US 2000-179065P 20000131 (60)  
US 2000-180628P 20000204 (60)  
US 2000-231968P 20000312 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,  
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23  
EXEMPLARY CLAIM: 1  
LINE COUNT: 10680

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . levothyroxine sodium), L-T<sub>4</sub> sub.3.TM., CYTOMEL.TM. and  
TRIOSTAT.TM. (liothyroine sodium), and THYROLAF.TM. (liotrix);  
antithyroid compounds such as 6-n-propylthiouracil (propylthiouracil),  
1-methyl-2-mercaptopimidazole and TAFAZOLE.TM. (**methimazole**),  
NEO-MERCAZOLE.TM. (carbimazole); beta-adrenergic receptor antagonists  
such as propranolol and esmolol; Ca<sup>2+</sup> channel blockers;  
dexamethasone and iodinated radiological contrast agents such. . .  
DETD . . . a polypeptide of the invention at 150 ng/ml at 4 degrees C.

and  
drawn into cold 3 ml syringes. Female **C57B1/6** mice  
approximately 8 weeks old are injected with the mixture of Matrigel and  
experimental protein at 2 sites at the. . .

L8 ANSWER 2 OF 3 USPATFULL  
ACCESSION NUMBER: 2002:148614 USPATFULL  
TITLE: 28 human secreted proteins  
INVENTOR(S): Ruben, Steven M., Olney, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Zeng, ZhiShen, Lansdale, PA, UNITED STATES  
Kyaw, Hla, Frederick, MD, UNITED STATES  
Fischer, Carrie L., Burke, VA, UNITED STATES  
Li, Haodeng, Gaithersburg, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Gentz, Reiner L., Rockville, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Painted Post, NY, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2002076756 A1 20020620  
APPLICATION INFO.: US 2001-853161 A1 20010511 (9)

NUMBER	DATE
US 2001-265583P	20010202 (60)

PRIORITY INFORMATION:

DOCUMENT TYPE:

FILE SEGMENT:

LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS:

EXEMPLARY CLAIM:

LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DET D . . . (levothyroxine sodium), L-T<sub>4</sub>TM., CYTOMEL.TM. and TRIOSTAT.TM. (liothyroxine sodium), and THYROLAR.TM. (liotrix); antithyroid compounds such as 6-n-propylthiouracil (propylthiouracil), 1-methyl-2-mercaptopimidazole and TAPAZOLE.TM. (**methimazole**), NEG-MERCAZOLE.TM. (carbimazole); beta-adrenergic receptor antagonists such as propranolol and esmolol; Ca<sup>2+</sup> channel blockers; dexamethasone and iodinated radiological contrast agents such. . . .

DET D . . . a polypeptide of the invention at 150 ng/ml at 4 degrees C.

and

drawn into cold 3 ml syringes. Female **C57B1/6** mice approximately 8 weeks old are injected with the mixture of Matrigel and experimental protein at 2 sites at the. . . .

LS ANSWER 3 OF 3 USPATFULL

ACCESSION NUMBER: 2002-02131 USPATFULL  
TITLE: 13 Human secreted proteins  
INVENTOR(S): Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Ruben, Steven M., Clney, MD, UNITED STATES

NUMBER	KIND	DATE
US 2002012966	A1	20020131

PATENT INFORMATION: US 2002012966 A1 20020131  
APPLICATION INFO.: US 2001-768826 A1 20010125 (9)  
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2000-US22350,  
filed

on 15 Aug 2000, UNKNOWN

NUMBER	DATE
US 1999-148759P	19990816 (60)

PRIORITY INFORMATION:

DOCUMENT TYPE:

FILE SEGMENT:

LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS:

EXEMPLARY CLAIM:

LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and

isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD . . . (levothyroxine sodium), L-T<sub>3</sub>.TM., CYTOMEL.TM. and TRIOSTA.TM. (liothyroine sodium), and THYROLAR.TM. (liotrix); antithyroid compounds such as 6-n-propylthiouracil (propylthiouracil), 1-methyl-2-mercaptoimidazole and TAPAZOLE.TM. (**methimazole**), NEO-MERCAZOLE.TM. (carbimazole); beta-adrenergic receptor antagonists such as propranolol and esmolol; Ca<sup>2+</sup> channel blockers; dexamethasone and iodinated radiological contrast agents such. . . .  
DETD . . . a polypeptide of the invention at 150 ng/ml at 4 degrees C and drawn into cold 3 ml syringes. Female **C57B1/6** mice approximately 8 weeks old are injected with the mixture of Matrigel and experimental protein at 2 sites at the. . . .

LS ANSWER 21 OF 124 MEDLINE  
ACCESSION NUMBER: 93019417 MEDLINE  
DOCUMENT NUMBER: 93019417 PubMed ID: 7681993  
TITLE: In vivo expression of inducible nitric oxide synthase in experimentally induced neurologic diseases.  
COMMENT: Erratum in: Proc Natl Acad Sci U S A 1993 Jun 1;90(11):5378  
AUTHOR: Koprowski H; Zheng Y M; **Heber-Katz E**; Fraser N; Borke L; Fu Z F; Hanlon C; Dietzschold B  
CORPORATE SOURCE: Department of Microbiology and Immunology, Thomas Jefferson University, Philadelphia, PA 19107.  
CONTRACT NUMBER: AI-03701 (NIAID)  
MH-45174 (NIMH)  
NS11036 (NINDS)  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1993 Apr 1) 90 (7) 3024-7.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199305  
ENTRY DATE: Entered STN: 19930521  
Last Updated on STN: 20000303  
Entered Medline: 19930504

LS ANSWER 22 OF 124 MEDLINE  
ACCESSION NUMBER: 92384529 MEDLINE  
DOCUMENT NUMBER: 92384529 PubMed ID: 1381167  
TITLE: Shared T-cell receptor gene usage in experimental allergic neuritis and encephalomyelitis.  
COMMENT: Comment in: Ann Neurol. 1993 Jul;34(1):113-4  
AUTHOR: Clark L; **Heber-Katz E**; Postami A  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA.  
CONTRACT NUMBER: AR39489 (NIAMS)  
NS-11036 (NINDS)  
NS08075 (NINDS)  
SOURCE: ANNALS OF NEUROLOGY, (1992 Jun) 31 (6) 587-92.  
Journal code: 7707443. ISSN: 0364-5134.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199209  
ENTRY DATE: Entered STN: 19921018  
Last Updated on STN: 20000303  
Entered Medline: 19920925

LS ANSWER 23 OF 124 MEDLINE  
ACCESSION NUMBER: 92352658 MEDLINE  
DOCUMENT NUMBER: 92352658 PubMed ID: 1386519  
TITLE: Observations, legends, and conjectures concerning restricted T-cell receptor usage and autoimmune disease.  
AUTHOR: Esch T; Clark L; Zhang X M; Goldman S; **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.  
CONTRACT NUMBER: CA-09171 (NCI)  
NS-11036-17 (NINDS)  
SOURCE: CRITICAL REVIEWS IN IMMUNOLOGY, (1992) 11 (5) 249-64.  
Ref:

PUB. COUNTRY:  
DOCUMENT TYPE:

LANGUAGE:  
FILE SEGMENT:  
ENTRY MONTH:  
ENTRY DATE:

L5 ANSWER 24 OF 124

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

AUTHOR:

CORPORATE SOURCE:

SOURCE:

PUB. COUNTRY:  
DOCUMENT TYPE:

LANGUAGE:

FILE SEGMENT:

ENTRY MONTH:

ENTRY DATE:

L5 ANSWER 25 OF 124

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

AUTHOR:

CORPORATE SOURCE:

CONTRACT NUMBER:  
SOURCE:

PUB. COUNTRY:

DOCUMENT TYPE:

LANGUAGE:

FILE SEGMENT:

ENTRY MONTH:

ENTRY DATE:

L5 ANSWER 26 OF 124

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

AUTHOR:

CORPORATE SOURCE:

SOURCE:

PUB. COUNTRY:

DOCUMENT TYPE:

LANGUAGE:

FILE SEGMENT:

140  
Journal code: 8914819. ISSN: 1040-8401.

United States

Journal; Article; (JOURNAL ARTICLE)

General Review; (REVIEW)

(REVIEW, ACADEMIC)

English

Priority Journals

199209

Entered STN: 19920925

Last Updated on STN: 19920925

Entered Medline: 19920904

MEDLINE

92101401 MEDLINE

92101401 PubMed ID: 1531052

A workshop on thymus, clonal deletion and suppressor systems in demyelinating disease. 20-24 March 1991, Eidorado Hotel, Sante Fe, NM, USA.

**Heber-Katz E**; Waksman E

Wistar Institute, Philadelphia, PA 19104.

JOURNAL OF NEUROIMMUNOLOGY, (1992 Feb) 36 (2-3) 231-8.

Journal code: 6109498. ISSN: 0165-5728.

Netherlands

Conference; Conference Article; (CONGRESSES)

English

Priority Journals

199202

Entered STN: 19920315

Last Updated on STN: 19990129

Entered Medline: 19920201

MEDLINE

92113254 MEDLINE

92113254 PubMed ID: 1370515

T cell receptor sequences from encephalitogenic T cells in adult Lewis rats suggest an early ontogenetic origin.

Zhang X M; **Heber-Katz E**

Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.

NS-11036-17 (NIHES)

JOURNAL OF IMMUNOLOGY, (1992 Feb 1) 148 (3) 746-52.

Journal code: 2985117R. ISSN: 0022-1767.

United States

Journal; Article; (JOURNAL ARTICLE)

English

Abridged Index Medicus Journals; Priority Journals

199202

Entered STN: 19920308

Last Updated on STN: 20000303

Entered Medline: 19920219

MEDLINE

92062769 MEDLINE

92062769 PubMed ID: 1954284

The autoimmune T-cell receptor in experimental disease.

**Heber-Katz E**

Wistar Institute, Philadelphia, Pennsylvania.

IMMUNOLOGY SERIES, (1991) 55 155-69. Ref: 72

Journal code: 0404721. ISSN: 0092-6019.

United States

Journal; Article; (JOURNAL ARTICLE)

General Review; (REVIEW)

(REVIEW, ACADEMIC)

English

Priority Journals

ENTRY MONTH: 199201  
ENTRY DATE: Entered STN: 19920124  
Last Updated on STN: 20000303  
Entered Medline: 19920101

LS ANSWER 27 OF 124 MEDLINE  
ACCESSION NUMBER: 91334437 MEDLINE  
DOCUMENT NUMBER: 91334437 PubMed ID: 1714594  
TITLE: T-cell receptor peptide immunization leads to enhanced and chronic experimental allergic encephalomyelitis.  
AUTHOR: Desqueyronne-Clark L; Esch T R; Otvos L Jr; **Heber-Katz**  
**E**  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.  
CONTACT NUMBER: NS 11036 (NINDS)  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1991 Aug 15) 88 (16) 7219-23.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199109  
ENTRY DATE: Entered STN: 19911006  
Last Updated on STN: 20000303  
Entered Medline: 19910916

LS ANSWER 28 OF 124 MEDLINE  
ACCESSION NUMBER: 91332429 MEDLINE  
DOCUMENT NUMBER: 91332429 PubMed ID: 1714476  
TITLE: Nonencephalitogenic CD4+CD8- V alpha 2V beta 3.2+ anti-myelin basic protein rat T lymphocytes inhibit disease induction.  
AUTHOR: Lider O; Miller A; Miron S; Hershkoviz R; Weiner H L; Zhang X M; **Heber-Katz** E  
CORPORATE SOURCE: Department of Cell Biology, Weizmann Institute of Science, Rehovot, Israel.  
SOURCE: JOURNAL OF IMMUNOLOGY, (1991 Aug 15) 147 (4) 1208-13.  
Journal code: 2385117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199109  
ENTRY DATE: Entered STN: 19911006  
Last Updated on STN: 20000303  
Entered Medline: 19910916

LS ANSWER 29 OF 124 MEDLINE  
ACCESSION NUMBER: 91161691 MEDLINE  
DOCUMENT NUMBER: 91161691 PubMed ID: 1705946  
TITLE: Cytotoxic effects of myelin basic protein-reactive T cell hybridoma cells on oligodendrocytes.  
AUTHOR: Kawai K; **Heber-Katz** E; Zweiman B  
CORPORATE SOURCE: Department of Neurology, University of Pennsylvania School of Medicine, Philadelphia 19104-6057.  
CONTACT NUMBER: NS11036 (NINDS)  
F01 NS11037 (NINDS)  
SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (1991 Apr) 32 (1) 75-81.  
Journal code: 8169498. ISSN: 0165-5728.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals

ENTRY MONTH: 199104  
ENTRY DATE: Entered STN: 19910505  
Last Updated on STN: 19960119  
Entered Medline: 19910417

L5 ANSWER 30 OF 124 MEDLINE  
ACCESSION NUMBER: 91073587 MEDLINE  
DOCUMENT NUMBER: 91073587 PubMed ID: 1701361  
TITLE: Characterization of a new, potent, immunopathogenic epitope  
in S-antigen that elicits T cells expressing V beta 8 and V

alpha 2-like genes.

AUTHOR: Merryman C F; Donoso L A; Zhang X M; **Heber-Katz E**; Gregerson D S

CORPORATE SOURCE: Department of Biochemistry, Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA 19107.

CONTRACT NUMBER: EY05095 (NEI)  
EY07510 (NEI)

NS11086 (NINDS)

+

SOURCE: JOURNAL OF IMMUNOLOGY, (1991 Jan 1) 146 (1) 75-80.  
Journal code: 2985117R. ISSN: 0022-1767.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals

ENTRY MONTH: 199101

ENTRY DATE: Entered STN: 19910322

Last Updated on STN: 19970103

Entered Medline: 19910128

L5 ANSWER 31 OF 124 MEDLINE

ACCESSION NUMBER: 91070846 MEDLINE

DOCUMENT NUMBER: 91070846 PubMed ID: 1983968

TITLE: Conserved T cell receptor V gene usage by uveitogenic T cells.

AUTHOR: Gregerson D S; Fling S P; Merryman C F; Zhang X M; Li X B; **Heber-Katz E**

CORPORATE SOURCE: Department of Ophthalmology, University of Minnesota, Minneapolis 55455.

CONTRACT NUMBER: EY05417 (NEI)  
NS11086 (NINDS)

SOURCE: CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY, (1991 Jan) 58 (1) 154-61.

Journal code: 0356637. ISSN: 0090-1229.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199101

ENTRY DATE: Entered STN: 19910308

Last Updated on STN: 19910308

Entered Medline: 19910122

L5 ANSWER 32 OF 124 MEDLINE

ACCESSION NUMBER: 90357695 MEDLINE

DOCUMENT NUMBER: 90357695 PubMed ID: 2143871

TITLE: Immunologic consequence of class II+ pancreatic islet allografts on recipient responsiveness.

AUTHOR: Markmann J F; Barker C F; Lo D; Brinster R; **Heber-Katz E**; Naji A

CORPORATE SOURCE: Department of Surgery, University of Pennsylvania Medical Center, Philadelphia 19104.

CONTRACT NUMBER: 5Y32GM07170 (NIGMS)

DK26007 (NIDDK)

SOURCE: TRANSPLANTATION PROCEEDINGS, (1990 Aug) 22 (4) 2052-3.  
 Journal code: 02436311. ISSN: 0041-1345.

PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199009  
 ENTRY DATE: Entered STN: 19901026  
 Last Updated on STN: 19901026  
 Entered Medline: 19901026

LS ANSWER 33 OF 124 MEDLINE  
 ACCESSION NUMBER: 90336334 MEDLINE  
 DOCUMENT NUMBER: 90336334 PubMed ID: 2434251  
 TITLE: A new hierarchy of TCR specificity: autoimmune diseases  
 are  
 defined by particular V alpha V beta combinations and not  
 by antigen specificity.

AUTHOR: **Heber-Katz E**  
 CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia,  
 Pennsylvania 19104.  
 CONTRACT NUMBER: NS-11036 (NINDS)  
 SOURCE: COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY,  
 (1989)

PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199009  
 ENTRY DATE: Entered STN: 19901012  
 Last Updated on STN: 20000303  
 Entered Medline: 19900313

LS ANSWER 34 OF 124 MEDLINE  
 ACCESSION NUMBER: 90168093 MEDLINE  
 DOCUMENT NUMBER: 90168093 PubMed ID: 1639623  
 TITLE: The autoimmune T cell receptor: epitopes, idiotopes, and  
 malatopes.

AUTHOR: **Heber-Katz E**  
 CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.  
 SOURCE: CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY, (1990 Apr) 55 (1)  
 1-8. Ref: 36  
 Journal code: 0356637. ISSN: 0090-1229.

PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 General Review; (REVIEW)  
 (REVIEW, TUTORIAL)

LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199004  
 ENTRY DATE: Entered STN: 19900601  
 Last Updated on STN: 20000303  
 Entered Medline: 19900405

LS ANSWER 35 OF 124 MEDLINE  
 ACCESSION NUMBER: 90063034 MEDLINE  
 DOCUMENT NUMBER: 90063034 PubMed ID: 2479681  
 TITLE: Determinants of human myelin basic protein that induce  
 encephalitogenic T cells in Lewis rats.  
 AUTHOR: Vandenbark A A; Hashim G A; Celnik B; Galang A; Li X B;  
**Heber-Katz E; Offner H**  
 CORPORATE SOURCE: Neuroimmunology Research, VA Medical Center, Portland, OR  
 97201.

CONTRACT NUMBER: NS-21466 (NINDS)

NS-23221 (NINDS)

NS-23444 (NINDS)

+

SOURCE: JOURNAL OF IMMUNOLOGY, (1989 Dec 1) 143 (11) 3512-6.  
Journal code: 2985117R. ISSN: 0022-1767.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals

ENTRY MONTH: 199001

ENTRY DATE: Entered STN: 19900328  
Last Updated on STN: 20000303  
Entered Medline: 19900105

LS ANSWER 36 OF 124 MEDLINE

ACCESSION NUMBER: 89361165 MEDLINE

DOCUMENT NUMBER: 89361265 PubMed ID: 2475577

TITLE: Lack of immunodominance in the T cell response to herpes simplex virus glycoprotein D after administration of infectious virus.

AUTHOR: Yamashita K; **Heber-Katz E**

CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.

CONTRACT NUMBER: AI-22528 (NIAID)

SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Sep 1) 170 (3) 997-1002.  
Journal code: 2985109R. ISSN: 0022-1007.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 198910

ENTRY DATE: Entered STN: 19900309  
Last Updated on STN: 19970203  
Entered Medline: 19891003

LS ANSWER 37 OF 124 MEDLINE

ACCESSION NUMBER: 89328317 MEDLINE

DOCUMENT NUMBER: 89328317 PubMed ID: 2474052

TITLE: T cell determinants of myelin basic protein include a unique encephalitogenic I-E-restricted epitope for Lewis rats.

AUTHOR: Offner H; Hashim G A; Celnik B; Galang A; Li X B; Burns F R; Shen N; **Heber-Katz E**; Vandembark A A

CORPORATE SOURCE: Veterans Administration Medical Center, Portland, Oregon 97201.

CONTRACT NUMBER: NS-21466 (NINDS)

NS-23221 (NINDS)

NS-23444 (NINDS)

+

SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Aug 1) 170 (2) 355-67.  
Journal code: 2985109R. ISSN: 0022-1007.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 198909

ENTRY DATE: Entered STN: 19900309  
Last Updated on STN: 20000303  
Entered Medline: 19890905

LS ANSWER 38 OF 124 MEDLINE

ACCESSION NUMBER: 89302583 MEDLINE

DOCUMENT NUMBER: 89302583 PubMed ID: 6101061

TITLE: The Ia molecule of the antigen presenting cell plays a critical role in immune response gene regulation of T cell activation.

AUTHOR: **Heber-Katz E**; Hansburg D; Schwartz R H

CORPORATE SOURCE: Laboratory of Immunology, National Institutes of Allergy and Infectious Diseases, Bethesda, MD 20205.

SOURCE: JOURNAL OF MOLECULAR AND CELLULAR IMMUNOLOGY, (1983) 1 (1) 3-18.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 198902

ENTRY DATE: Entered STN: 19800309  
Last Updated on STN: 19900309  
Entered Medline: 1989-04-21

LS ANSWER 39 OF 124 MEDLINE

ACCESSION NUMBER: 89302580 MEDLINE

DOCUMENT NUMBER: 89302580 PubMed ID: 2663017

TITLE: The V-region disease hypothesis: evidence from autoimmune encephalomyelitis.

AUTHOR: **Heber-Katz E**; Acha Orbea H

CONTRACT NUMBER: AI007757 (NIAID)  
NS 11086 (NINDS)  
NS 18135 (NINDS)

SOURCE: IMMUNOLOGY TODAY, (1989 May) 10 (5) 164-9. Ref: 41  
Journal code: 6008346. ISSN: 0167-5699.

PUB. COUNTRY: ENGLAND: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, ACADEMIC)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 198905

ENTRY DATE: Entered STN: 19900309  
Last Updated on STN: 19900309  
Entered Medline: 1989-04-22

LS ANSWER 40 OF 124 MEDLINE

ACCESSION NUMBER: 89086963 MEDLINE

DOCUMENT NUMBER: 89086963 PubMed ID: 2462833

TITLE: Clonal modulation of experimental allergic encephalomyelitis by a monoclonal antibody directed to the T-cell receptor.

AUTHOR: **Heber-Katz E**; Owrashi M; Happ M P; Burns F; Shen N; Li X

CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.

SOURCE: ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, (1988) 540 575-7.  
Journal code: 7506858. ISSN: 0077-8923.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 198902

ENTRY DATE: Entered STN: 19900309  
Last Updated on STN: 19900309  
Entered Medline: 1989-04-06

LS ANSWER 41 OF 124 MEDLINE

ACCESSION NUMBER: 89080488 MEDLINE

DOCUMENT NUMBER: 89080488 PubMed ID: 2462609

TITLE: Both rat and mouse T cell receptors specific for the encephalitogenic determinant of myelin basic protein use

similar V alpha and V beta chain genes even though the major histocompatibility complex and encephalitogenic determinants being recognized are different.

AUTHOR: Burns F R; Li X B; Shen N; Offner H; Shou Y K; Vandembark  
A

CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.

CONTRACT NUMBER: NS-11036 (NINDS)  
NS-23221 (NINDS)  
NS-23444 (NINDS)  
+

SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Jan 1) 169 (1) 27-39.  
Journal code: 2385109R. ISSN: 0022-1007.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-Y00803

ENTRY MONTH: 198902

ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 19970203  
Entered Medline: 19890209

L5 ANSWER 42 OF 124 MEDLINE

ACCESSION NUMBER: 89067803 MEDLINE

DOCUMENT NUMBER: 89067823 PubMed ID: 2462007

TITLE: Protection from experimental allergic encephalomyelitis conferred by a monoclonal antibody directed against a shared idiotype on rat T cell receptors specific for myelin basic protein.

AUTHOR: Owhashi M; **Heber-Katz E**

CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.

CONTRACT NUMBER: NS-11036 (NINDS)

SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Dec 1) 168 (6) 2153-64.  
Journal code: 2385109R. ISSN: 0022-1007.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 198901

ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 20000303  
Entered Medline: 19890117

L5 ANSWER 43 OF 124 MEDLINE

ACCESSION NUMBER: 89057143 MEDLINE

DOCUMENT NUMBER: 89057143 PubMed ID: 3143077

TITLE: Antigen presenting function of class II MHC expressing pancreatic beta cells.

AUTHOR: Markmann J; Lo D; Naji A; Palmiter R D; Brinster R L; **Heber-Katz E**

CORPORATE SOURCE: Department of Surgery, School of Medicine, University of Pennsylvania, Philadelphia 19104.

SOURCE: NATURE, (1988 Dec 1) 336 (6198) 476-9.  
Journal code: 0410462. ISSN: 0028-0836.

PUB. COUNTRY: ENGLAND: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 198901

ENTRY DATE: Entered STN: 19900308

L5 ANSWER 44 OF 124 MEDLINE  
ACCESSION NUMBER: 88315748 MEDLINE  
DOCUMENT NUMBER: 88315748 PubMed ID: 2457618  
TITLE: Genetic control of the development of experimental allergic encephalomyelitis in rats. Separation of MHC and non-MHC gene effects.  
AUTHOR: Happ M P; Wettstein P; Dietzschold B; **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.  
CONTRACT NUMBER: NS-11036 (NINDS)  
SOURCE: JOURNAL OF IMMUNOLOGY, (1988 Sep 1) 141 (5) 1489-94.  
Journal code: 2385117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 198809  
ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 20000303  
Entered Medline: 19880926

L5 ANSWER 45 OF 124 MEDLINE  
ACCESSION NUMBER: 88315330 MEDLINE  
DOCUMENT NUMBER: 88315330 PubMed ID: 2457602  
TITLE: The autoreactive T cell population in experimental allergic encephalomyelitis: T cell receptor beta-chain rearrangements.  
AUTHOR: Happ M P; Kiraly A S; Offner H; Vandenbark A; **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.  
CONTRACT NUMBER: NS-11036 (NINDS)  
NS-23221 (NINDS)  
NS-23444 (NINDS)  
SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (1988 Sep) 19 (3) 191-204.  
Journal code: 8109498. ISSN: 0165-5728.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198810  
ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 20000303  
Entered Medline: 19881003

L5 ANSWER 46 OF 124 MEDLINE  
ACCESSION NUMBER: 88284726 MEDLINE  
DOCUMENT NUMBER: 88284726 PubMed ID: 3260890  
TITLE: A simple technique to distinguish rat from mouse chromosomes in T cell hybridomas.  
AUTHOR: Simon D; Valentine S; **Heber-Katz E**; Knowles B B  
CORPORATE SOURCE: Albert Einstein Medical Center, Department of Obstetrics and Gynecology, Philadelphia, PA 19141.  
CONTRACT NUMBER: CA 10815 (NCI)  
CA 18470 (NCI)  
SOURCE: HYBRIDOMA, (1983 Jun) 7 (3) 301-7.  
Journal code: 8202424. ISSN: 0272-457X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198809

ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 19970203  
Entered Medline: 19880302

L5 ANSWER 47 OF 124 MEDLINE  
ACCESSION NUMBER: 88154743 MEDLINE  
DOCUMENT NUMBER: 88154743 PubMed ID: 2450161  
TITLE: Differences in the repertoire of the Lewis rat T cell response to self and non-self myelin basic proteins.  
AUTHOR: Happ M P; **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.  
CONTRACT NUMBER: NS-11036 (NINDS)  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Feb 1) 167 (2) 502-13.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198804  
ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 20000303  
Entered Medline: 19880413

L5 ANSWER 48 OF 124 MEDLINE  
ACCESSION NUMBER: 88154724 MEDLINE  
DOCUMENT NUMBER: 88154724 PubMed ID: 2450157  
TITLE: Overlapping T cell antigenic sites on a synthetic peptide fragment from herpes simplex virus glycoprotein D, the degenerate MHC restriction elicited, and functional evidence for antigen-Ia interaction.  
AUTHOR: **Heber-Katz E**; Valentine S; Dietzschold B;  
Burns-Purzycki C  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.  
CONTRACT NUMBER: AI-22528 (NIAID)  
NS-11036 (NINDS)  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Feb 1) 167 (2) 275-87.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198804  
ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 19970203  
Entered Medline: 19880413

L5 ANSWER 49 OF 124 MEDLINE  
ACCESSION NUMBER: 88097448 MEDLINE  
DOCUMENT NUMBER: 88097448 PubMed ID: 3480536  
TITLE: Induction of protective immunity against rabies by immunization with rabies virus ribonucleoprotein.  
AUTHOR: Dietzschold B; Wang H H; Rupprecht C E; Celis E; Tollis M;  
Ertl H; **Heber-Katz E**; Koprowski H  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.  
CONTRACT NUMBER: AI-03706-16 (NIAID)  
AI-22528 (NIAID)  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1987 Dec) 84 (24) 9165-9.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English

FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198302  
ENTRY DATE: Entered STN: 19900305  
Last Updated on STN: 19970203  
Entered Medline: 19830220

L5 ANSWER 50 OF 124 MEDLINE  
ACCESSION NUMBER: 87139800 MEDLINE  
DOCUMENT NUMBER: 87139800 PubMed ID: 3029270  
TITLE: A synthetic peptide induces long-term protection from lethal infection with herpes simplex virus 2.  
AUTHOR: Watari E; Dietzschold B; Szokan G; **Heber-Katz E**  
CONTRACT NUMBER: AI-22528 (NIAID)  
NS-11036 (NINDS)  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1987 Feb 1) 165 (2) 459-70.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198704  
ENTRY DATE: Entered STN: 19900303  
Last Updated on STN: 19970203  
Entered Medline: 19870413

L5 ANSWER 51 OF 124 MEDLINE  
ACCESSION NUMBER: 87052944 MEDLINE  
DOCUMENT NUMBER: 87052944 PubMed ID: 3022991  
TITLE: Immune response to synthetic herpes simplex virus peptides:  
the feasibility of a synthetic vaccine.  
AUTHOR: **Heber-Katz E**; Dietzschold B  
SOURCE: CURRENT TOPICS IN MICROBIOLOGY AND IMMUNOLOGY, (1986) 130 51-64.  
Journal code: 0110513. ISSN: 0070-217X.  
PUB. COUNTRY: GERMANY, WEST: Germany, Federal Republic of  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198701  
ENTRY DATE: Entered STN: 19900301  
Last Updated on STN: 19900302  
Entered Medline: 19870112

L5 ANSWER 52 OF 124 MEDLINE  
ACCESSION NUMBER: 86185671 MEDLINE  
DOCUMENT NUMBER: 86185671 PubMed ID: 6336358  
TITLE: Considerations in the design of a peptide antigen specific for T cells.  
AUTHOR: **Heber-Katz E**; Hollósi M; Hudecz F; Fasman G;  
Dietzschold B  
CONTRACT NUMBER: AI-09706 (NIAID)  
NS-11036 (NINDS)  
SOURCE: ANNALI SCLAVO. COLLANA MONOGRAFICA, (1984) 1 (2) 119-28.  
Journal code: 8701688. ISSN: 0003-472X.  
PUB. COUNTRY: Italy  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198605  
ENTRY DATE: Entered STN: 19900321  
Last Updated on STN: 19970203  
Entered Medline: 19860509

L5 ANSWER 53 OF 124 MEDLINE

ACCESSION NUMBER: 86081728 MEDLINE  
DOCUMENT NUMBER: 86081728 PubMed ID: 3935430  
TITLE: Tissue-specific, inducible and functional expression of the E alpha d MHC class II gene in transgenic mice.  
AUTHOR: Pinkert C A; Widera G; Cowling C; **Heber-Katz E**; Palmiter R D; Flavell R A; Brinster R L  
CONTRACT NUMBER: AI-16044 (NIAID)  
    HD-09172 (NICHD)  
    HD-17321 (NICHD)  
    +  
SOURCE: EMBO JOURNAL, (1985 Sep) 4 (9) 2225-30.  
    Journal code: 8208664. ISSN: 0261-4189.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198602  
ENTRY DATE: Entered STN: 19900321  
    Last Updated on STN: 19970203  
    Entered Medline: 19860207

L5 ANSWER 54 OF 124 MEDLINE  
ACCESSION NUMBER: 85235581 MEDLINE  
DOCUMENT NUMBER: 85235581 PubMed ID: 2409148  
TITLE: The T cell response to the glycoprotein D of the herpes simplex virus: the significance of antigen conformation.  
AUTHOR: **Heber-Katz E**; Hollósi M; Dietzschold B; Hudecz F; Fasman G D  
CONTRACT NUMBER: AI-09706 (NIAID)  
    NS-11036 (NINDS)  
SOURCE: JOURNAL OF IMMUNOLOGY, (1985 Aug) 135 (2) 1385-90.  
    Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 198508  
ENTRY DATE: Entered STN: 19900320  
    Last Updated on STN: 19970203  
    Entered Medline: 19850819

L5 ANSWER 55 OF 124 MEDLINE  
ACCESSION NUMBER: 85113230 MEDLINE  
DOCUMENT NUMBER: 85113230 PubMed ID: 2578667  
TITLE: Rearrangement and transcription of a T-cell receptor beta-chain gene in different T-cell subsets.  
AUTHOR: Hedrick S M; Germain R N; Bevan M J; Dorf M; Engel I; Fink P; Gascoigne N; **Heber-Katz E**; Kapp J; Kaufmann Y;  
    +  
CONTRACT NUMBER: AI-15353 (NIAID)  
    AI-20320 (NIAID)  
    AI-21372 (NIAID)  
    +  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1985 Jan) 82 (2) 531-5.  
    Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198503  
ENTRY DATE: Entered STN: 19900320  
    Last Updated on STN: 19970203  
    Entered Medline: 19850301

L5 ANSWER 56 OF 124 MEDLINE  
ACCESSION NUMBER: 83240461 MEDLINE  
DOCUMENT NUMBER: 83240461 PubMed ID: 6190979  
TITLE: Major histocompatibility complex-controlled, antigen-presenting cell-expressed specificity of T cell antigen recognition. Identification of a site of interaction and its relationship to Ir genes.  
AUTHOR: Hansburg D; **Heber-Katz E**; Fairwell T; Appella E  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1983 Jul 1) 158 (1) 25-39.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198308  
ENTRY DATE: Entered STN: 19900319  
Last Updated on STN: 19900319  
Entered Medline: 19830906

L5 ANSWER 57 OF 124 MEDLINE  
ACCESSION NUMBER: 83025072 MEDLINE  
DOCUMENT NUMBER: 83025072 PubMed ID: 6181895  
TITLE: The fine specificity of antigen and Ia determinant recognition by T cell hybridoma clones specific for pigeon cytochrome c.  
AUTHOR: Hedrick S M; Matis L A; Hecht T T; Samelson L E; Longo D L;  
**Heber-Katz E**; Schwartz R H  
SOURCE: CELL, (1982 Aug) 30 (1) 141-52.  
Journal code: 0413066. ISSN: 0092-8674.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198212  
ENTRY DATE: Entered STN: 19900317  
Last Updated on STN: 19900317  
Entered Medline: 19821218

L5 ANSWER 58 OF 124 MEDLINE  
ACCESSION NUMBER: 82234876 MEDLINE  
DOCUMENT NUMBER: 82234876 PubMed ID: 6178555  
TITLE: The effect of antigen presentation on the fine specificity of anti-cytochrome c T cell hybridomas.  
AUTHOR: **Heber-Katz E**; Hansburg D; Schwartz R H  
SOURCE: CURRENT TOPICS IN MICROBIOLOGY AND IMMUNOLOGY, (1982) 100 117-24.  
Journal code: 0110513. ISSN: 0070-217X.  
PUB. COUNTRY: GERMANY, WEST: Germany, Federal Republic of  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198209  
ENTRY DATE: Entered STN: 19900317  
Last Updated on STN: 19900317  
Entered Medline: 19820924

L5 ANSWER 59 OF 124 MEDLINE  
ACCESSION NUMBER: 82144285 MEDLINE  
DOCUMENT NUMBER: 82144285 PubMed ID: 6174670  
TITLE: Contribution of antigen-presenting cell major histocompatibility complex gene products to the specificity of antigen-induced T cell activation.  
AUTHOR: **Heber-Katz E**; Schwartz R H; Matis L A; Hannum C;

CONTRACT NUMBER: Farwell T; Appella E; Hansburg B  
SOURCE: AI-12001 (NIAID)  
JOURNAL OF EXPERIMENTAL MEDICINE, (1982 Apr 1) 155 (4)  
1086-99.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198205  
ENTRY DATE: Entered STN: 19900317  
List Updated on STN: 19970203  
Entered Medline: 19820521

L5 ANSWER 60 OF 124 MEDLINE  
ACCESSION NUMBER: 82143853 MEDLINE  
DOCUMENT NUMBER: 82143853 PubMed ID: 7199547  
TITLE: Use of a solid-phase <sup>3</sup>H-radioimmunoassay for the measurement of immunoglobulin produced in short-term cultures of antibody-secreting cells.  
AUTHOR: Mongini P K; **Heber-Katz E**  
SOURCE: JOURNAL OF IMMUNOLOGICAL METHODS, (1982) 49 (1) 39-52.  
Journal code: 1305440. ISSN: 0022-1759.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198205  
ENTRY DATE: Entered STN: 19900317  
Last Updated on STN: 19970203  
Entered Medline: 19820521

L5 ANSWER 61 OF 124 MEDLINE  
ACCESSION NUMBER: 81241325 MEDLINE  
DOCUMENT NUMBER: 81241325 PubMed ID: 7152415  
TITLE: Idiotype-anti-idiotype regulation. I. Immunization with a levan-binding myeloma protein leads to the appearance of auto-anti-(anti-idiotype) antibodies and to the activation of silent clones.  
AUTHOR: Bona C A; **Heber-Katz E**; Paul W E  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1981 Apr 1) 153 (4)  
951-67.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198109  
ENTRY DATE: Entered STN: 19900316  
Last Updated on STN: 19900316  
Entered Medline: 19810922

L5 ANSWER 62 OF 124 MEDLINE  
ACCESSION NUMBER: 80138598 MEDLINE  
DOCUMENT NUMBER: 80138598 PubMed ID: 6965694  
TITLE: TNP-coupled membranes stimulate T cell proliferation via the macrophage.  
AUTHOR: **Heber-Katz E**; Shevach E M  
SOURCE: JOURNAL OF IMMUNOLOGY, (1980 Mar) 124 (3) 1503-5.  
Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 198005  
ENTRY DATE: Entered STN: 19900315

L5 ANSWER 63 OF 124 MEDLINE  
ACCESSION NUMBER: 77244971 MEDLINE  
DOCUMENT NUMBER: 77244971 PubMed ID: 70304  
TITLE: On the possibility of multiple t-cell receptors.  
AUTHOR: Wilson D B; **Heber-Katz E**; Sprent J; Howard J C  
SOURCE: COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY,  
(1977)

41 Pt 2 559-61.  
Journal code: 1256107. ISSN: 0091-7451.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 197710  
ENTRY DATE: Entered STN: 19900314  
Last Updated on STN: 19900314  
Entered Medline: 19771020

L5 ANSWER 64 OF 124 MEDLINE  
ACCESSION NUMBER: 76121749 MEDLINE  
DOCUMENT NUMBER: 76121749 PubMed ID: 55462  
TITLE: Sheep red blood cell-specific helper activity in rat  
thoracic duct lymphocyte populations positively selected  
for reactivity to specific strong histocompatibility  
alloantigens.  
AUTHOR: **Heber-Katz E**; Wilson D B  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1976 Mar 1) 143 (3)  
701-6.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 197604  
ENTRY DATE: Entered STN: 19900313  
Last Updated on STN: 19950206  
Entered Medline: 19760427

L5 ANSWER 65 OF 124 MEDLINE  
ACCESSION NUMBER: 76047307 MEDLINE  
DOCUMENT NUMBER: 76047307 PubMed ID: 52686  
TITLE: Collaboration of allogeneic T and B lymphocytes in the  
primary antibody response to sheep erythrocytes in vitro.  
AUTHOR: **Heber-Katz E**; Wilson D B  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1975 Oct 1) 142 (4)  
928-35.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 197601  
ENTRY DATE: Entered STN: 19900313  
Last Updated on STN: 19900313  
Entered Medline: 19760117

L5 ANSWER 66 OF 124 MEDLINE  
ACCESSION NUMBER: 73072930 MEDLINE  
DOCUMENT NUMBER: 73072930 PubMed ID: 4645593  
TITLE: Immune responses in vitro. V. Role of mercaptoethanol in  
the mixed-leukocyte reaction.  
AUTHOR: **Heber-Katz E**; Click F E  
SOURCE: CELLULAR IMMUNOLOGY, (1972 Nov) 5 (3) 410-8.

JOURNAL CODE: 1246405. ISSN: 0008-8749.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal: Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 197303  
ENTRY DATE: Entered STN: 19900310  
Last Updated on STN: 19970203  
Entered Medline: 19730305

LS ANSWER 67 OF 124 CAPIUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2000:657436 CAPIUS  
DOCUMENT NUMBER: 134:206240  
TITLE: Experimental autoimmune meningitis as a model for activation and differentiation of pathogenic T cells  
AUTHOR(S): Perrin, Peter J.; Phillips, S. Michael; Rumbley, Catherine A.; Clark, Lise; **Heber-Katz, Ellen**  
CORPORATE SOURCE: Department of Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104, USA  
SOURCE: Recent Research Developments in Immunology (1999), 1(Ft. 1), 197-207  
CODEN: PRDIB8  
PUBLISHER: Research Signpost  
DOCUMENT TYPE: Journal: General Review  
LANGUAGE: English  
REFERENCE COUNT: 74 THERE ARE 74 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

LS ANSWER 68 OF 124 CAPIUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1999:529246 CAPIUS  
DOCUMENT NUMBER: 131:168353  
TITLE: Identification of loci involved in accelerated wound healing and the development of new wound healing promoters  
INVENTOR(S): **Heber-Katz, Ellen**  
PATENT ASSIGNEE(S): The Wistar Institute, USA  
SOURCE: PCT Int. Appl., 136 pp.  
CODEN: PIXXER  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9941364	A2	19990819	WO 1999-082952	19990212
WO 9941364	A3	19991223		
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MK, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
FW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MP, NE, SN, TD, TG			
CA 2319710	AA	19990819	CA 1999-2319700	19990212
AU 9926720	A1	19990330	AU 1999-26720	19990212
EP 1053309	A1	20001122	EP 1999-906924	19990212
F:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
JP 2002503460	T2	20020205	JP 2000-531545	19990212
PRIO/CHY APPLN. INFO.:			US 1998-74737P	A2 19980213
			US 1998-97937P	A2 19980826

L5 ANSWER 69 OF 124 CAPLUS COPYRIGHT 2001 ACS  
ACCESSION NUMBER: 1995:632530 CAPLUS  
DOCUMENT NUMBER: 123:53671  
TITLE: Antigen presentation of self antigens  
AUTHOR(S): Paterson, Yvonne; **Heber-Katz, Ellen**  
CORPORATE SOURCE: Dep. Microbiology, Univ. Pennsylvania, Philadelphia, PA, 19104, USA  
SOURCE: Molecular Pathology of Autoimmune Diseases (1993), 83-99. Editor(s): Bona, Constantin A.; et al.  
Harwood: Char, Switz.  
CODEN: 61PBAP  
Conference; General Review  
LANGUAGE: English

L5 ANSWER 70 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1995:551311 CAPLUS  
DOCUMENT NUMBER: 123:7326  
TITLE: B- and T-cell epitope analysis in infectious diseases.  
AUTHOR(S): **Heber-Katz, Ellen**; Yamashita, Keizo  
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA, USA  
SOURCE: Synth. Pept. Search B- T-Cell Epitopes (1994), 164-72.  
Editor(s): Rajnavolgyi, Eva. Landes: Austin, Tex.  
CODEN: 61ETAO  
Conference; General Review  
LANGUAGE: English

L5 ANSWER 71 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1995:551308 CAPLUS  
DOCUMENT NUMBER: 123:7324  
TITLE: Synthetic peptides as T-cell epitopes. An alternative view for the topographical orientation of the T-cell receptor to the MHC-antigen complex  
AUTHOR(S): Tang, Xao X.; Ikegaki, Nachiko; **Heber-Katz, Ellen**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA, USA  
SOURCE: Synth. Pept. Search B- T-Cell Epitopes (1994), 119-40.  
Editor(s): Rajnavolgyi, Eva. Landes: Austin, Tex.  
CODEN: 61ETAO  
Conference; General Review  
LANGUAGE: English

L5 ANSWER 72 OF 124 CAFLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1994:189262 CAFLUS  
DOCUMENT NUMBER: 120:189262  
TITLE: Nucleotide sequences of three new members of the mouse V.alpha.2 gene family  
AUTHOR(S): Tang, X. X.; Ikegaki, N.; **Heber-Katz, E.**  
CORPORATE SOURCE: Immunol. Grad. Group, Univ. Pennsylvania, Philadelphia, PA, 19140, USA  
SOURCE: Molecular Immunology (1994), 31(1), 79-82  
CODEN: MOIMD5; ISSN: 0161-5890  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L5 ANSWER 73 OF 124 CAFLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1993:624042 CAFLUS  
DOCUMENT NUMBER: 119:224042

TITLE: The V-region disease hypothesis: New evidence  
suggests it is probably wrong. Reply to comments  
AUTHOR(S): **Heber-Katz, Ellen**; Acha-Orbea, Hans  
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19104, USA  
SOURCE: Immunology Today (1993), 14(8), 380-2  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L5 ANSWER 74 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1993:446807 CAPLUS  
DOCUMENT NUMBER: 119:46807  
TITLE: In vivo expression of inducible nitric oxide synthase  
in experimentally induced neurologic diseases:  
[Erratum to document cited in CA118(25):252591e]  
AUTHOR(S): Koprowski, Hilary; Cheng, Yong Mu; **Heber-Katz, Ellen**; Fraser, Nigel; Forke, Lucy; Fu, Zhen Fang; Hanlon, Cathleen; Dietzschold, Bernhard  
CORPORATE SOURCE: Cent. Neurovirol., Thomas Jefferson Univ., Philadelphia, PA, 19107, USA  
SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1993), 90(11), 5378  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L5 ANSWER 75 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1993:210856 CAPLUS  
DOCUMENT NUMBER: 118:210856  
TITLE: The autoreactive T cell receptor: Structure and biological activity  
AUTHOR(S): **Heber-Katz, Ellen**  
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19104, USA  
SOURCE: NATO ASI Series, Series A: Life Sciences (1992), 233(T Lymphocytes), 145-51  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English

L5 ANSWER 76 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1993:78751 CAPLUS  
DOCUMENT NUMBER: 118:78751  
TITLE: Peptides as molecular probes of immune responses  
AUTHOR(S): **Heber-Katz, Ellen**; Ertl, Hildegund C. J.  
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19104, USA  
SOURCE: Biomedical Applications of Biotechnology (1993), 1(Biol. Act. Pept.), 269-87  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English

L5 ANSWER 77 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1992:424334 CAPLUS  
DOCUMENT NUMBER: 117:24334  
TITLE: The autoimmune T-cell receptor in experimental disease  
AUTHOR(S): **Heber-Katz, Ellen**  
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, USA  
SOURCE: Immunology Series (1992), 55(Mol. Immunobiol. Self-React.), 155-69  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English

L5 ANSWER 78 OF 124 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1990:629471 CAPLUS  
 DOCUMENT NUMBER: 113:229471  
 TITLE: A transgenic model for tissue specific antigens:  
 tolerance and clonal anergy  
 AUTHOR(S): Lo, David; Burkly, Linda; Markmann, James;  
**Heber-Katz, Ellen**; Naji, Ali; Flavell, Richard; Palmiter, Richard; Brinster, Ralph L.  
 CORPORATE SOURCE: Sch. Vet. Med., Univ. Pennsylvania, Philadelphia, PA,  
 19104, USA  
 SOURCE: UCLA Symp. Mol. Cell. Biol., New Ser. (1990),  
 113(Immunogenicity), 187-94  
 CODEN: USMBD6; ISSN: 0735-9543  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L5 ANSWER 79 OF 124 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1990:550117 CAPLUS  
 DOCUMENT NUMBER: 113:150117  
 TITLE: Synthetic branched polypeptides as carriers for  
 low-molecular-weight antigens: correlation between  
 chemical structure and biological functions  
 AUTHOR(S): Rajnavolgyi, E.; Hudecz, F.; Mezo, G.; Watari, E.;  
**Heber-Katz, E.**; Gaal, D.; Kurucz, I.;  
 Szekerke, M.; Gergely, J.  
 CORPORATE SOURCE: Dep. Immunol., L. Eotvos Univ., God, H-2131, Hung.  
 SOURCE: Chim. Oggi (1990), 8(4), 21-8  
 CODEN: CHOGDS; ISSN: 0392-839X  
 DOCUMENT TYPE: Journal; General Review  
 LANGUAGE: English

L5 ANSWER 80 OF 124 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1989:21980 CAPLUS  
 DOCUMENT NUMBER: 110:21980  
 TITLE: Pathways to presentation  
 AUTHOR(S): **Heber-Katz, Ellen**; Watari, Eiji;  
 Dietzschold, Bernhard  
 CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19103, USA  
 SOURCE: Process. Presentation Antigens (1988), 133-41.  
 Editor(s): Pernis, Benvenuto; Silverstein, Samuel C.;  
 Vogel, Henry J. Academic: San Diego, Calif.  
 CODEN: 56HSAQ  
 DOCUMENT TYPE: Conference  
 LANGUAGE: English

L5 ANSWER 81 OF 124 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1987:483883 CAPLUS  
 DOCUMENT NUMBER: 107:383883  
 TITLE: Vaccine for generating an immunogenic T cell response  
 protective against a virus  
 INVENTOR(S): **Heber-Katz, Ellen**  
 PATENT ASSIGNEE(S): Wistar Institute, USA  
 SOURCE: Eur. Pat. Appl., 23 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 203676	A2	19861203	EP 1986-301223	19860220
EP 203675	A3	19880302		
EP 203676	B1	19920129		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 72123	E	19920215	AT 1986-301223	19860220

CA 1265054 A1 19900130 CA 1986-506804 19860416  
EP 290246 A2 19981109 EP 1988-304045 19880505  
EP 290246 A3 19900131  
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE  
US 5837249 A 19981117 US 1993-139609 19931020  
PRIORITY APPLN. INFO.: US 1985-725087 19850419  
EP 1986-301223 19860220  
US 1987-47443 19870508  
US 1991-635459 19910412  
US 1992-868946 19920415

L5 ANSWER 82 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1985:22683 CAPLUS  
DOCUMENT NUMBER: 102:22683  
TITLE: Characterization of the murine TH response to influenza virus hemagglutinin: evidence for three major specificities  
AUTHOR(S): Hurwitz, Julia L.; **Heber-Katz, Ellen**; Hackett, Charles J.; Gerhard, Walter  
CORPORATE SOURCE: Wistar Inst. Anat. Biol., Philadelphia, PA, 19104,  
USA  
SOURCE: J. Immunol. (1984), 133(6), 3371-7  
DOCUMENT TYPE: CODEN: JOIMA3; ISSN: 0022-1767  
LANGUAGE: Journal  
English

L5 ANSWER 83 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1984:83838 CAPLUS  
DOCUMENT NUMBER: 100:83838  
TITLE: The Ia molecule contributes to the specificity of T cell activation  
AUTHOR(S): Schwartz, R. H.; **Heber-Katz, E.**; Hansburg, D.  
CORPORATE SOURCE: Lab. Immunol., Natl. Inst. Allergy Infect. Dis., Bethesda, MD, 20205, USA  
SOURCE: Intercell. Commun. Leucocyte Funct., Proc. Int. Leucocyte Cult. Conf., 15th (1983), Meeting Date 1982,  
117-25. Editor(s): Parker, John W.; O'Brien, Richard L. Wiley: Chichester, UK.  
DOCUMENT TYPE: CODEN: 50UFAC  
LANGUAGE: Conference  
English

L5 ANSWER 84 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1983:556640 CAPLUS  
DOCUMENT NUMBER: 99:156640  
TITLE: The effect of antigen and Ia molecule interaction on immune response gene control  
AUTHOR(S): **Heber-Katz, Ellen**; Schwartz, Ronald H.  
CORPORATE SOURCE: Lab. Immunol., NIH, Bethesda, MD, 20205, USA  
SOURCE: Ir Genes, [Ir Gene Workshop], 5th (1983), Meeting Date  
1982, 295-304. Editor(s): Pierce, Carl W. Humana: Clifton, N. J.  
DOCUMENT TYPE: CODEN: 50HZAT  
LANGUAGE: Conference  
English

L5 ANSWER 85 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1982:560753 CAPLUS  
DOCUMENT NUMBER: 97:160753  
TITLE: I region-restricted antigen presentation by B cell-B lymphoma hybridomas  
AUTHOR(S): Glimcher, L. H.; Hamano, T.; Asofsky, R.; **Heber-Katz, E.**; Hedrick, S.; Schwartz, R. H.;

CORPORATE SOURCE: *Pauli, W. E.* Lab. Immunol., Natl. Inst. Allergy Infect. Dis., Bethesda, MD, 20205, USA  
SOURCE: *Nature (London)* (1982), 298(5871), 283-4  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
  
L5 ANSWER 86 OF 124 LIFESCI COPYRIGHT 2002 CSA  
ACCESSION NUMBER: 88:74709 LIFESCI  
TITLE: The autoreactive T cell population in experimental allergic encephalomyelitis: T cell receptor beta -chain rearrangements.  
AUTHOR: Happ, M.F.; Kiraly, A.S.; Offner, H.; Vandenbark, A.; **Heber-Katz, E.**  
CORPORATE SOURCE: Wistar Inst., 36th St. at Spruce, Philadelphia, PA 19104, USA  
SOURCE: J. NEUROIMMUNOL., (1988) vol. 19, no. 8, pp. 191-204.  
DOCUMENT TYPE: Journal  
FILE SEGMENT: F; N3  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L5 ANSWER 87 OF 124 LIFESCI COPYRIGHT 2002 CSA  
ACCESSION NUMBER: 88:25848 LIFESCI  
TITLE: Overlapping T cell antigenic sites on a synthetic peptide fragment from herpes simplex virus glycoprotein D, the degenerate MHC restriction elicited, and functional evidence for antigen-Ia interaction.  
AUTHOR: **Heber-Katz, E.**; Valentine, S.; Dietzschold, B.; Burns-Furzycki, C.  
CORPORATE SOURCE: Wistar Inst. Anat. and Biol., Philadelphia, PA 19104, USA  
SOURCE: J. EXP. MED., (1988) vol. 167, no. 2, pp. 275-287.  
DOCUMENT TYPE: Journal  
FILE SEGMENT: F; V  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L5 ANSWER 88 OF 124 LIFESCI COPYRIGHT 2002 CSA  
ACCESSION NUMBER: 88:6025 LIFESCI  
TITLE: Differences in the repertoire of the Lewis rat T cell response to self and non-self myelin basic proteins.  
AUTHOR: Happ, M.P.; **Heber-Katz, E.**  
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA 19104, USA  
SOURCE: J. EXP. MED., (1988) vol. 167, no. 2, pp. 502-513.  
DOCUMENT TYPE: Journal  
FILE SEGMENT: F  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L5 ANSWER 89 OF 124 LIFESCI COPYRIGHT 2002 CSA  
ACCESSION NUMBER: 82:84090 LIFESCI  
TITLE: The effect of antigen presentation on the fine specificity of anti-cytochrome c T cell hybridomas.  
T CELL HYBRIDOMAS. A WORKSHOP AT THE BASEL INSTITUTE FOR IMMUNOLOGY.  
AUTHOR: **Heber-Katz, E.**; Hansburg, D.; Schwartz, R.H.; von Boehmer, H. [editor]; Haas, W. [editor]; Koehler, G. [editor]; Melchers, F. [editor]; Zeuthen, J. [editor]; Buser-Boyd, S. [editor]  
CORPORATE SOURCE: Natl. Inst. Allergy and Infect. Dis., Natl. Inst. Health, Build. 10, Rm. 11D14, Bethesda, MD 20205, USA  
SOURCE: CURR. TOP. MICROBIOL. IMMUNOL., (1982) pp. 117-124.  
Meeting Info.: Workshop on T Cell Hybridomas: Sources of Specific Mediators in the Immune System. Basel

DOCUMENT TYPE:

Book

TREATMENT CODE:

Conference

FILE SEGMENT:

F

LANGUAGE:

English

L5 ANSWER 90 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 930226236 EMBASE

DOCUMENT NUMBER: 1993226236

TITLE:

The V region disease hypothesis: New evidence suggests it is probably wrong.

AUTHOR:

Wilson D.B.; Steinman L.; Gold D.P.; **Heber-Katz E.**; Acha-Orbea H.

CORPORATE SOURCE:

San Diego Regional Cancer Centr, 3099 Science Park

Road, San

Diego, CA 92121, United States

SOURCE:

Immunology Today, (1993) 14/8 (375-382).

ISSN: 0167-5699 CODEN: IMTOD8

COUNTRY:

United Kingdom

DOCUMENT TYPE:

Journal; (Short Survey)

FILE SEGMENT:

005 General Pathology and Pathological Anatomy  
008 Neurology and Neurosurgery  
021 Human Genetics  
026 Immunology, Serology and Transplantation

LANGUAGE:

English

SUMMARY LANGUAGE:

English

L5 ANSWER 91 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 93188749 EMBASE

DOCUMENT NUMBER: 1993188749

TITLE:

Shared T-cell receptor gene usage in experimental allergic neuritis and encephalomyelitis [1].

AUTHOR:

Jung S.; Hartung H.-P.; Toyka K.V.; **Heber-Katz E.**  
Multiple Sclerosis Research Group, Department of

CORPORATE SOURCE:

Neurology,

Julius-Maximilians University, Wurzburg, Germany  
Annals of Neurology, (1993) 34/1 (113-114).

ISSN: 0364-5134 CODEN: ANNED3

COUNTRY:

United States

DOCUMENT TYPE:

Journal; Letter

FILE SEGMENT:

008 Neurology and Neurosurgery  
026 Immunology, Serology and Transplantation  
029 Clinical Biochemistry

LANGUAGE:

English

L5 ANSWER 92 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 93183057 EMBASE

DOCUMENT NUMBER: 1993183057

TITLE:

Erratum: In vivo expression of inducible nitric oxide synthase in experimentally induced neurologic diseases (Proceedings of the National Academy of Sciences of the United States of America (April 1, 1993) 90 (3024-3027)).

AUTHOR:

Koprowski H.; Yong Mu Sheng; **Heber-Katz E.**; Fraser N.; Rorke L.; Chen Fang Fu; Hanlon C.; Dietzschold B.

SOURCE:

Proceedings of the National Academy of Sciences of the United States of America, (1993) 90/11 (5378).

ISSN: 0027-8424 CODEN: PNASA6

COUNTRY:

United States

DOCUMENT TYPE:

Journal; Errata

FILE SEGMENT:

008 Neurology and Neurosurgery

LANGUAGE:

English

L5 ANSWER 93 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 92231358 EMBASE  
DOCUMENT NUMBER: 1992231358  
TITLE: Observations, legends, and conjectures concerning restricted T-cell receptor usage and autoimmune disease.  
AUTHOR: Esch T.; Clark L.; Zhang X.-M.; Goldman S.; **Heber-Katz E.**  
CORPORATE SOURCE: Wistar Institute, 3601 Spruce Street, Philadelphia, PA 19104, United States  
SOURCE: Critical Reviews in Immunology, (1991) 11/5 (249-264).  
ISSN: 1040-8401 CODEN: CCRIDE  
COUNTRY: United States  
DOCUMENT TYPE: Journal; General Review  
FILE SEGMENT: 005 General Pathology and Pathological Anatomy  
026 Immunology, Serology and Transplantation  
030 Pharmacology  
037 Drug Literature Index  
LANGUAGE: English  
SUMMARY LANGUAGE: English

LS ANSWER 94 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 91031747 EMBASE  
DOCUMENT NUMBER: 1991031747  
TITLE: Conserved T cell receptor V gene usage by uveitogenic T cells.  
AUTHOR: Gregerson D.S.; Fling S.P.; Merryman C.F.; Zhang X.; Li X.; **Heber-Katz E.**

CORPORATE SOURCE: Department of Ophthalmology, University of Minnesota, Minneapolis, MN 55455, United States  
SOURCE: Clinical Immunology and Immunopathology, (1990) 58/1 (154-161).  
ISSN: 0090-1229 CODEN: CLIIAT  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 005 General Pathology and Pathological Anatomy  
012 Ophthalmology  
022 Human Genetics  
025 Hematology  
026 Immunology, Serology and Transplantation  
LANGUAGE: English  
SUMMARY LANGUAGE: English

LS ANSWER 95 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 77040204 EMBASE  
DOCUMENT NUMBER: 1977040204  
TITLE: Sheep red blood cell specific helper activity in rat thoracic duct lymphocyte populations positively selected for reactivity to specific strong histocompatibility alloantigens.  
AUTHOR: **Heber Katz E.**; Wilson D.B.  
CORPORATE SOURCE: Immunobiol. Res. Unit, Dept. Pathol., Univ. Pennsylvania Sch. Med., Philadelphia, Pa. 19174, United States  
SOURCE: Journal of Experimental Medicine, (1976) 143/3 (701-706).  
CODEN: JEMEAV  
DOCUMENT TYPE: Journal  
LANGUAGE: English

LS ANSWER 96 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 76148576 EMBASE  
DOCUMENT NUMBER: 1976148576  
TITLE: Collaboration of allogeneic T and B lymphocytes in the primary antibody response to sheep erythrocytes in vitro.  
AUTHOR: **Heber Katz E.**; Wilson D.B.  
CORPORATE SOURCE: Immunobiol. Res. Unit, Dept. Pathol., Univ. Pennsylvania Sch. Med., Philadelphia, Pa. 19174, United States  
SOURCE: Journal of Experimental Medicine, (1975) 142/4 (928-935).

CODEN: JEMEA  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 026 Immunology, Serology and Transplantation  
025 Hematology  
LANGUAGE: English  
  
LS ANSWER 97 OF 124 USPATFULL  
ACCESSION NUMBER: 1998:143659 USPATFULL  
TITLE: Method for generating an immunogenic T cell response protective against a virus  
INVENTOR(S): **Heber-Katz, Ellen**, Philadelphia, PA, United States  
Dietzschold, Bernhard, Newtown Square, PA, United States  
PATENT ASSIGNEE(S): The Wistar Institute, Philadelphia, PA, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5837249		19981117
APPLICATION INFO.:	US 1993-133609		19931020 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-868946, filed on 15 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-685459, filed on 12 Apr 1991, now abandoned which is a continuation of Ser. No. US 1987-47443, filed on 8 May 1987, now abandoned which is a continuation-in-part of Ser. No. US 1985-725087, filed on 19 Apr 1985, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Woodward, Michael P.		
LEGAL REPRESENTATIVE:	Banner & Witcoff, Ltd.		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 6 Drawing Page(s)		
LINE COUNT:	1114		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

LS ANSWER 98 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2001:44505 BIOSIS  
DOCUMENT NUMBER: PREV200100044505  
TITLE: T cell differentiation in complementary models of murine experimental autoimmune meningitis.  
AUTHOR(S): Perrin, Peter J. (1); Phillips, S. Michael (1); Beswick, Richard L. (1); Rumbley, Catherine A. (1); Clark, Lise; Otvos, Laszlo, Jr.; **Heber-Katz, Ellen**  
CORPORATE SOURCE: (1) University of Pennsylvania Medical School, Philadelphia, PA USA  
SOURCE: FASEB Journal, (April 20, 2000) Vol. 14, No. 6, pp. A997. print.  
Meeting Info.: Joint Annual Meeting of the American Association of Immunologists and the Clinical Immunology Society Seattle, Washington, USA May 12-16, 2000  
ISSN: 0892-6636.  
DOCUMENT TYPE: Conference  
LANGUAGE: English  
SUMMARY LANGUAGE: English

LS ANSWER 99 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1998:528946 BIOSIS  
DOCUMENT NUMBER: PREV199800528946  
TITLE: Tolerance induction in EAE with acylated peptides.  
AUTHOR(S): St Louis, J. (1); Zhang, X.-M.; **Heber-Katz, E.**; Singh, B. (1); Streljan, G. H. (1)

CORPORATE SOURCE: (1) Univ. Western Ont., London, ON Canada  
SOURCE: Journal of Neuroimmunology, (Sept. 1, 1998) Vol. 90, No.  
1, pp. 37.  
Meeting Info.: Fifth International Congress of the  
International Society of Neuroimmunology Montreal, Canada  
August 23-27, 1998 International Society of  
Neuroimmunology  
DOCUMENT TYPE: Conference  
LANGUAGE: English

L5 ANSWER 100 OF 124 BIOSIS COPYRIGHT 2001 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1995:518964 BIOSIS  
DOCUMENT NUMBER: PREV199598533264  
TITLE: The relationship between human multiple sclerosis and  
rodent experimental allergic encephalomyelitis.  
AUTHOR(S): **Heber-Katz, Ellen**  
CORPORATE SOURCE: Wistar Inst., 3601 Spruce St., Philadelphia, PA 19104 USA  
SOURCE: Davis, M. M. [Editor]; Buxbaum, J. [Editor]. Annals of the  
New York Academy of Sciences, (1995) Vol. 756, pp.  
283-293.  
receptor  
Annals of the New York Academy of Sciences; T-cell  
use in human autoimmune diseases.  
Publisher: New York Academy of Sciences 2 East 63rd  
Street,  
New York, New York 10021, USA.  
Meeting Info.: Conference San Diego, California, USA April  
17-20, 1994  
ISSN: 0077-8923. ISBN: 0-89766-916-9 (paper),  
0-89766-915-0  
(cloth).  
DOCUMENT TYPE: Book; Conference  
LANGUAGE: English

L5 ANSWER 101 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1994:459413 BIOSIS  
DOCUMENT NUMBER: PREV199497472413  
TITLE: Is experimental allergic encephalomyelitis: A model of  
multiple sclerosis.  
AUTHOR(S): **Heber-Katz, Ellen**  
CORPORATE SOURCE: Wistar Inst., 3601 Spruce Street, Philadelphia, PA 19104  
USA  
SOURCE: Coutinho, A. [Editor]; Kazatchkine, M. D. [Editor]. (1994)  
pp. 353-364. Autoimmunity: Physiology and disease.  
Publisher: Wiley-Liss, Inc. 605 Third Avenue, New York,  
New  
York 10158-0012, USA.  
ISBN: 0-471-59227-7.  
DOCUMENT TYPE: Book  
LANGUAGE: English

L5 ANSWER 102 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1993:334535 BIOSIS  
DOCUMENT NUMBER: PREV199345029260  
TITLE: Oral tolerance in experimental autoimmune  
encephalomyelitis  
AUTHOR(S): Whitacre, Caroline (1); Glenapp, Ingrid; Cox, Karen;  
Jewell, Scott; Javed, Najima; Goldman, Shari;  
**Heber-Katz, Ellen**  
CORPORATE SOURCE: (1) Ohio State University, Columbus, OH 43210 USA  
SOURCE: Journal of Immunology, (1993) Vol. 150, No. 8 PART 2, pp.  
245A.  
Meeting Info.: Joint Meeting of the American Association  
of

DOCUMENT TYPE: Conference  
LANGUAGE: English

L5 ANSWER 103 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1991:335695 BIOSIS  
DOCUMENT NUMBER: BR41:32245  
TITLE: INHIBITION OF EAE INDUCTION BY NONENCEPHALITOGENIC  
CD4-NEGATIVE CD8-NEGATIVE V-ALPHA-2V-BETA-8.2-PLUS  
ANTI-MYELIN BASIC PROTEIN RAT T CELL CLONE.  
AUTHOR(S): LIEBER O; EPPERSON D; ZHANG X; **HEBER-KATZ E**;  
WEINER H L; MILLER A  
CORPORATE SOURCE: REHOVOT, ISRAEL.  
SOURCE: 43RD ANNUAL MEETING OF THE AMERICAN ACADEMY OF NEUROLOGY,  
BOSTON, MASSACHUSETTS, USA, APRIL 20-27, 1991. NEUROLOGY,  
(1991) 41 (3 SUPPL 1), 317.  
CODEN: NEURAI. ISSN: 0028-3878.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 104 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1991:332129 BIOSIS  
DOCUMENT NUMBER: BR41:28679  
TITLE: NEUROANTIGEN-SPECIFIC IMMUNE TOLERANCE IN EXPERIMENTAL  
AUTOIMMUNE NEURITIS.  
AUTHOR(S): GREGORIAN S K; **HEBER-KATZ E**; ROSTAMI A  
CORPORATE SOURCE: DEP. NEUROL., IMMUNOL. GRADUATE GROUP, UNIV. PENNSYLVANIA,  
SCH. MED., PHILADELPHIA, PA. 19104.  
SOURCE: 75TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN  
SOCIETIES FOR EXPERIMENTAL BIOLOGY, ATLANTA, GEORGIA, USA, APRIL  
21-25, 1991. FASEB (FED AM SOC EXP BIOL) J, (1991) 5 (6),  
A1777.  
CODEN: FAJOEC. ISSN: 0892-6638.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 105 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1991:196241 BIOSIS  
DOCUMENT NUMBER: BR40:93521  
TITLE: FURTHER STUDIES ON THE V-REGION DISEASE HYPOTHESIS.  
AUTHOR(S): **HEBER-KATZ E**  
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
SOURCE: SYMPOSIUM ON SELF REACTIVITY AND ITS REGULATION HELD AT  
THE 20TH ANNUAL MEETING OF THE KEYSTONE SYMPOSIA ON MOLECULAR  
AND CELLULAR BIOLOGY, KEYSTONE, COLORADO, USA, JANUARY  
17-24, 1991. J CELL BIOCHEM SUPPL, (1991) 0 (15 PART A),  
231.  
CODEN: JCBSD7.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 106 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1990:436981 BIOSIS  
DOCUMENT NUMBER: BR39:84842  
TITLE: A NEW HIERARCHY OF TCR SPECIFICITY AUTOIMMUNE DISEASES ARE  
DEFINED BY PARTICULAR V-ALPHA-V-BETA COMBINATIONS AND NOT  
BY ANTIGEN SPECIFICITY.  
AUTHOR(S): **HEBER-KATZ E**  
CORPORATE SOURCE: WISTAR INST. ANAT. AND BIOL., PHILADELPHIA, PA. 19104.

SOURCE: COLD SPRING HARBOR LABORATORY. COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, VOL. 54. NOS. 1 AND 2. IMMUNOLOGICAL RECOGNITION. XIX+603P. (NO. 1); XI+PAGINATION VARIES (NO. 2) COLD SPRING HARBOR LABORATORY PRESS: COLD SPRING HARBOR, NEW YORK, USA. ILLUS, (1989 (1990)) 0 (0), 875-878.  
CODEN: CSHSAZ. ISSN: 0091-7451. ISBN: 0-87969-057-7 (CLOTH), 0-87969-058-5 (PAPER).

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 107 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1990:324911 BIOSIS  
DOCUMENT NUMBER: BR39:32247  
TITLE: ORAL TOLERANCE IN EXPERIMENTAL AUTOIMMUNE  
ENCEPHALOMYELITIS  
AUTHOR(S): FAE A SEARCH FOR THE MBP-SPECIFIC T CELL RECEPTOR.  
WHITACRE C C; GIENAPP I E; ZHANG X; **HEBER-KATZ E**  
CORPORATE SOURCE: THE OHIO STATE UNIV. COLL. MED., COLUMBUS, OHIO 43210,  
USA.  
SOURCE: JOINT MEETING OF THE AMERICAN SOCIETY FOR BIOCHEMISTRY AND  
MOLECULAR BIOLOGY AND THE AMERICAN ASSOCIATION OF  
IMMUNOLOGISTS, NEW ORLEANS, LOUISIANA, USA, JUNE 4-7,  
1990.  
FASEB (FED AM SOC EXP BIOL) J, (1990) 4 (7), A1856.  
CODEN: FAJOEC. ISSN: 0892-6638.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 108 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1989:234621 BIOSIS  
DOCUMENT NUMBER: BR36:113105  
TITLE: AG PRESENTATION BY TRANSGENIC IE-POSITIVE BETA CELLS.  
AUTHOR(S): MARKMANN J F; LI D; NAJI A; PALMITTER R; BRINSTER R;  
**HEBER-KATZ E**  
CORPORATE SOURCE: UNIV. PENNSYLVANIA, PHILADELPHIA, PA. 19104.  
SOURCE: 73RD ANNUAL MEETING OF THE FEDERATION OF AMERICAN  
SOCIETIES  
FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LOUISIANA, USA,  
MARCH 19-23, 1989. FASEB (FED AM SOC EXP BIOL) J, (1989) 3  
(3), A301.  
CODEN: FAJOEC. ISSN: 0892-6638.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 109 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1989:83718 BIOSIS  
DOCUMENT NUMBER: BR36:39809  
TITLE: PATHWAYS TO PRESENTATION.  
AUTHOR(S): **HEBER-KATZ E**; WATARI E; DIETZSCHOLD B  
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19103.  
SOURCE: FERNIS, B., S. C. SILVERSTEIN AND H. J. VOGEL (ED.).  
PROCESSING AND PRESENTATION OF ANTIGENS; P AND S  
BIOMEDICAL SCIENCES SYMPOSIUM, NEW YORK, NEW YORK, USA, MAY 30-JUNE  
1,  
1986. XIV+324P. ACADEMIC PRESS, INC.: SAN DIEGO,  
CALIFORNIA, USA; LONDON, ENGLAND, UK. ILLUS, (1988) 0 (0),  
133-142.  
ISBN: 0-12-551855-2.  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 110 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1988:103400 BIOSIS  
DOCUMENT NUMBER: BR34:49742  
TITLE: THE LEW RAT T CELL RESPONSE REPERTOIRE TO AN AUTOANTIGEN  
AND ITS REGULATION BY ANTI-T CELL RECEPTOR ANTIBODY.  
AUTHOR(S): **HEBER-KATZ E**; OWHASHI M; HAPP M P  
CORPORATE SOURCE: WISTAR INST., 3601 SPRUCE ST., PHILADELPHIA, PA. 19104,  
USA.  
SOURCE: SECONC INTERNATIONAL CONGRESS OF NEUROIMMUNOLOGY,  
PHILADELPHIA, PENNSYLVANIA, USA, SEPTEMBER 8-11, 1987. J  
NEUROIMMUNOL, (1987) 16 (1), 75.  
CODEN: JNRIDW. ISSN: 0165-5728.  
DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 111 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1987:411814 BIOSIS  
DOCUMENT NUMBER: BR33:81492  
TITLE: A NEW PATHWAY TO ANTIGEN PRESENTATION.  
AUTHOR(S): **HEBER-KATZ E**; WATARI E; DIETZSCHOLD B  
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
SOURCE: SYMPOSIUM ON THE T CELL RECEPTOR HELD AT THE 16TH ANNUAL  
MEETING OF THE UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES)  
SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, LOS ANGELES,  
CALIFORNIA, USA, APRIL 26-MAY 1, 1987. J CELL BIOCHEM  
SUPPL, (1987) 0 (11 PART D), 238.  
CODEN: JCBSD7.  
DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 112 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1987:411719 BIOSIS  
DOCUMENT NUMBER: BR33:81397  
TITLE: THE T CELL RESPONSE IN EXPERIMENTAL ALLERGIC  
ENCEPHALOMYELITIS CLONALITY AT THE LEVEL OF ANTIGEN  
SPECIFICITY AND T CELL RECEPTOR GENE REARRANGEMENTS.  
AUTHOR(S): HAPP M P; KIRALY A S; OFFNER H; VANDENBARK A;  
**HEBER-KATZ E**  
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
SOURCE: SYMPOSIUM ON THE T CELL RECEPTOR HELD AT THE 16TH ANNUAL  
MEETING OF THE UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES)  
SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, LOS ANGELES,  
CALIFORNIA, USA, APRIL 26-MAY 1, 1987. J CELL BIOCHEM  
SUPPL, (1987) 0 (11 PART D), 256.  
CODEN: JCBSD7.  
DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 113 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1987:75678 BIOSIS  
DOCUMENT NUMBER: BR32:35871  
TITLE: SPECIFIC LONG-TERM PROTECTION FROM A LETHAL HERPES SIMPLEX  
VIRUS INFECTION IN THE ABSENCE OF A DETECTABLE ANTIBODY  
RESPONSE.  
AUTHOR(S): **HEBER-KATZ E**; WATARI E; DIETZSCHOLD B  
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
SOURCE: BROWN, F., R. M. CHANOCK AND R. A. LERNER (ED.). NEW  
APPROACHES TO IMMUNIZATION: DEVELOPING VACCINES AGAINST  
PARASITIC, BACTERIAL, AND VIRAL DISEASES; CONFERENCE ON  
VACCINES 86, COLD SPRING HARBOR, N.Y., USA. XXI+418P. COLD  
SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA.  
ILLUS. PAPER, (1986) 0 (0), 65-70.  
ISBN: 0-87969-190-5.

FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 114 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1986:230859 BIOSIS  
DOCUMENT NUMBER: BR30:113355  
TITLE: RESISTANCE TO EXPERIMENTAL ALLERGIC ENCEPHALOMYELITIS  
REGULATION BY NON-MAJOR HISTOCOMPATIBILITY COMPLEX GENES.  
AUTHOR(S): HAPP M P; WETTSTEIN P; **HEBER-KATZ E**  
CORPORATE SOURCE: WISTAR INSTITUTE, PHILADELPHIA, PA. 19104.  
SOURCE: SYMPOSIUM ON IMMUNE REGULATION BY CHARACTERIZED  
POLYPEPTIDES HELD AT THE 15TH ANNUAL UCLA (UNIVERSITY OF  
CALIFORNIA-LOS ANGELES) MEETING ON MOLECULAR AND CELLULAR  
BIOLOGY, LOS ANGELES, CALIF., USA, JAN. 25-FEB. 1, 1986. J  
CELL BIOCHEM SUPPL, (1986) 0 (10 PART A), 98.  
CODEN: JCBSD7.  
DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 115 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1986:66338 BIOSIS  
DOCUMENT NUMBER: BR30:66338  
TITLE: THE MURINE T CELL RESPONSE TO THE GLYCOPROTEIN D OF HERPES  
SIMPLEX VIRUS.  
AUTHOR(S): **HEBER-KATZ E**; HOLLOSI M; DIETZSCHOLD B; HEDECZ F;  
FASMAN G  
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
SOURCE: LAVER, W. G. AND G. M. AIE (ED.). CURRENT COMMUNICATIONS  
IN  
MOLECULAR BIOLOGY: IMMUNE RECOGNITION OF PROTEIN ANTIGENS;  
MEETING, COLD SPRING HARBOR, N.Y., USA, MAR. 1985. X+197P.  
COLD SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y.,  
USA. ILLUS. PAPER, (1985) 0 (0), 134-138.  
ISBN: 0-87969-185-9.  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 116 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1986:25225 BIOSIS  
DOCUMENT NUMBER: BR30:25225  
TITLE: STRUCTURE-FUNCTION RELATIONSHIP IN IMMUNOGENIC SYNTHETIC  
HERPES SIMPLEX VIRUS PEPTIDES.  
AUTHOR(S): DIETZSCHOLD B; **HEBER-KATZ E**; HUDECZ F; HOLLOSI M;  
FASMAN G; EISENBERG R J; COHEN G H  
CORPORATE SOURCE: WISTAR INST. ANAT. AND BIOL., PHILADELPHIA, PA. 19104.  
SOURCE: LERNER, R. A., R. M. CHANOCK AND F. BROWN (ED.). VACCINES  
85: MOLECULAR AND CHEMICAL BASIS OF RESISTANCE TO  
PARASITIC, BACTERIAL, AND VIRAL DISEASES; MEETING, 1983.  
XXI+407P. COLD SPRING HARBOR LABORATORY: COLD SPRING  
HARBOR, N.Y., USA. ILLUS. PAPER, (1985) 0 (0), 227-234.  
ISBN: 0-87969-181-6.  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 117 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1985:87455 BIOSIS  
DOCUMENT NUMBER: BR28:87455  
TITLE: CONFORMATION OF SYNTHETIC PEPTIDES OF HERPES SIMPLEX VIRUS  
GLYCOPROTEIN D-GD.  
AUTHOR(S): HOLLOSI M; DIETZSCHOLD B; **HEBER-KATZ E**; HUDECZ F;  
VAFFICHO A; FASMAN G D  
CORPORATE SOURCE: GRADUATE DEPARTMENT OF BIOCHEMISTRY, BRANDEIS UNIVERSITY,  
WALTHAM, MA.  
SOURCE: 188TH AMERICAN CHEMICAL SOCIETY MEETING, PHILADELPHIA,  
PA.,

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 118 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1984:127846 BIOSIS  
DOCUMENT NUMBER: BR27:44338  
TITLE: GENETIC CONTROL OF THE T CELL RESPONSE TO PEPTIDES OF THE  
GLYCO PROTEIN D-GD OF HERPES SIMPLEX VIRUS.  
AUTHOR(S): **HEBER-KATZ E; DIETZSCHOLD B**  
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
SOURCE: SYMPOSIUM ON REGULATION OF THE IMMUNE SYSTEM HELD AT THE  
13TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA - LOS ANGELES)  
SYMPOSIA, LOS ANGELES, CALIF., USA, MAR. 18-25, 1984. J  
CELL BIOCHEM, (1984) 0 (8 PART A), 103.  
CODEN: JCBSD7.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 119 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1982:95660 BIOSIS  
DOCUMENT NUMBER: BR23:25552  
TITLE: PROOF OF ANTIGEN IA INTERACTION SHOWN BY THE SPECIFICITY  
OF  
ANTIGEN INDUCED ACTIVATION OF T CELL HYBRIDOMAS.  
AUTHOR(S): **HEBER-KATZ E; HANSBURG D; SCHWARTZ R H**  
CORPORATE SOURCE: NIH, BETHESDA, MD., 20014.  
SOURCE: 66TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN  
SOCIETIES  
FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LA., USA, APRIL  
15-23, 1982. FED PROC, (1982) 41 (3), ABSTRACT 1216.  
CODEN: FEPRAT. ISSN: 0014-9446.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 120 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1982:84816 BIOSIS  
DOCUMENT NUMBER: BR23:14308  
TITLE: I REGION RESTRICTED ANTIGEN PRESENTATION BY B CELL B  
LYMPHOMA CELL HYBRIDOMAS.  
AUTHOR(S): **GLIMCHER L; HAMANO T; ASOFSKY R; HEBER-KATZ E;**  
HEDRICK S; GREEN I; PAUL W E  
CORPORATE SOURCE: NIH, BETHESDA, MD. 20205.  
SOURCE: 66TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN  
SOCIETIES  
FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LA., USA, APRIL  
15-23, 1982. FED PROC, (1982) 41 (3), ABSTRACT 2636.  
CODEN: FEPRAT. ISSN: 0014-9446.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 121 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1981:90800 BIOSIS  
DOCUMENT NUMBER: BR21:25796  
TITLE: IDIOTYPE ANTI IDIOTYPE PATHWAYS AND THE REGULATION OF  
IMMUNE RESPONSES.  
AUTHOR(S): **PAUL W E; HEBER-KATZ E; BONA C**  
CORPORATE SOURCE: NIH, BETHESDA, MD. 20205.  
SOURCE: 65TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN  
SOCIETIES

DOCUMENT TYPE: Conference

FILE SEGMENT: BR; OLD

LANGUAGE: English

L5 ANSWER 122 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1978:73733 BIOSIS

DOCUMENT NUMBER: BR15:14233

TITLE: CONSIDERATIONS OF THE NATURE AND SPECIFICITY OF THYMUS DERIVED CELL TRIGGERING AND OF CELL-CELL INTERACTIONS IN THE IMMUNE RESPONSE.

AUTHOR(S): WILSON D B; **HEBER-KATZ E**; MARSHAK A; LINDAHL K F COOPER, MAX D. AND DEBELT H. DAYTON (ED.). MONOGRAPH OF THE NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT. DEVELOPMENT OF HOST DEFENSES. CONFERENCE, MAY 1976. XIV+306P. ILLUS. RAVEN PRESS: NEW YORK, N.Y., USA, (1977) 133-140.  
ISBN: 0-89004-117-2.

FILE SEGMENT: BR; OLD

LANGUAGE: Unavailable

L5 ANSWER 123 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1978:888 BIOSIS

DOCUMENT NUMBER: BR14:888

TITLE: ON THE POSSIBILITY OF MULTIPLE THYMUS DERIVED CELL RECEPTORS.

AUTHOR(S): WILSON I B; **HEBER-KATZ E**; SPRENT J; HOWARD J C COLD SPRING HARBOR LAB. COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, VOL. 41, PARTS 1 AND 2. ORIGINS OF LYMPHOCYTE DIVERSITY. COLD SPRING HARBOR, N.Y., USA, 1976. XXII+437P(PART 1); XII+509P(PART 2). ILLUS. COLD SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA, (1977) 559-561.  
ISBN: 0-87696-040-2.

FILE SEGMENT: BR; OLD

LANGUAGE: Unavailable

L5 ANSWER 124 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1976:37624 BIOSIS

DOCUMENT NUMBER: BR12:37624

TITLE: RAT THYMUS DERIVED CELLS POSITIVELY SELECTED FOR RESPONSIVENESS TO ALLO ANTIGENS OF A MAJOR HISTO COMPATIBILITY COMPLEX HAPLOTYPE SHOW UNALTERED SHEEP RED BLOOD CELL SPECIFIC HELPER ACTIVITY.

AUTHOR(S): **HEBER-KATZ E**; WILSON D B

SOURCE: Fed. Proc., (1976) 35 (3), 627.

CODEN: FEPRA7. ISSN: 0014-9446.

DOCUMENT TYPE: Conference

FILE SEGMENT: BR; OLD

LANGUAGE: Unavailable

=> s propylthiouracil and (cardiac or heart)

L6 1092 PROPYLTHIOUROFACIL AND (CARDIAC OR HEART)

=> s propylthiouracil (p) (cardiac or heart)

L7 486 PROPYLTHIOUROFACIL (F) (CARDIAC OR HEART)

=> s 17 and (heal? or wound or scar)

L8 15 L7 AND (HEAL? OR WOUND OR SCAR)

=> dup rem 18

PROCESSING COMPLETED FOR L8  
L8 13 DUP REM L8 (2 DUPLICATES REMOVED)

=. d 19 ibib abs tot

L8 ANSWER 1 OF 13 USPATFULL  
ACCESSION NUMBER: 2002:209575 USPATFULL  
TITLE: Controlled release oral dosage form suitable for oral administration  
INVENTOR(S): Mulye, Nirmal, Long Beach, NY, United States  
PATENT ASSIGNEE(S): Norstrum Pharmaceuticals, Inc., Long Beach, NY, United States (U.S. corporation)

PATENT INFORMATION: NUMBER KIND DATE  
-----  
US 6437000 B1 20020820  
US 2000-650837 20000830 (9)

PRIORITY INFORMATION: NUMBER DATE  
-----  
US 1999-152114P 19990902 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Pryor, Alton  
LEGAL REPRESENTATIVE: Scully, Scott, Murphy & Presser  
NUMBER OF CLAIMS: 38  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)  
LINE COUNT: 826

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention is directed to a pharmaceutical composition, preferably in the form of a tablet comprising a therapeutically effective amount of a medicament in a carrier comprising a water insoluble polymer and a water-insoluble inorganic salt.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 2 OF 13 USPATFULL  
ACCESSION NUMBER: 2002:152387 USPATFULL  
TITLE: Correcting diastolic dysfunction in heart failure  
INVENTOR(S): Metzger, Joseph M., Ann Arbor, MI, United States  
PATENT ASSIGNEE(S): The Regents of The University of Michigan, Ann Arbor, MI, United States (U.S. corporation)

PATENT INFORMATION: NUMBER KIND DATE  
-----  
US 6410236 B1 20020625  
US 1999-387919 19990901 (9)

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Clark, Deborah J. R.  
ASSISTANT EXAMINER: Brunovskis, Peter  
LEGAL REPRESENTATIVE: Medien & Carroll, LLP  
NUMBER OF CLAIMS: 3  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 9 Drawing Figure(s); 9 Drawing Page(s)  
LINE COUNT: 1528

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The present invention relates to the overexpression of a calcium binding protein in cardiac myocytes in vivo and in vitro, and in particular, to the correction of diastolic dysfunction. Expression of the calcium binding protein parvalbumin in cardiac myocytes results in an increase

in the rate of relaxation of the cardiac myocyte, in vivo and in vitro. The parvalbumin is expressed from an adenovirus vector, adeno-associated virus vector, or gutted adenovirus vector. The transfected in vivo and in vitro cardiac myocytes are also useful in drug screens.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 3 OF 13 USPATFULL  
ACCESSION NUMBER: 2001:150697 USPATFULL  
TITLE: Delivery of oral drugs  
INVENTOR(S): Staniforth, John, Bath, Great Britain  
Tobyn, Michael, Wilesshire, Great Britain

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001020147	A1	20010906
APPLICATION INFO.:	US 2001-793304	A1	20010226 (9)
PRIORITY INFORMATION:	GB 2000-4701		20000228
	GB 2000-9023		20000412
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	DAVIDSON, DAVIDSON & KAPPEL, LLC, 435 Seventh Avenue, 14th Floor, New York, NY, 10018		
NUMBER OF CLAIMS:	91		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	18 Drawing Page(s)		
LINE COUNT:	2247		
AB	Disclosed is a system for delivery of a drug comprising a multiple unit dosing device comprising a housing and an actuator, said device containing multiple doses of multiparticulates comprising drug particles, said device upon actuation delivering a unit dose of said multiparticulates, said drug particles having a mean diameter of greater than 10 .mu.m to about 1 mm such that an effective dose of said drug cannot be delivered into the lower lung of a human patient. Also disclosed are novel methods, devices and dosage forms for delivering a drug.		

L9 ANSWER 4 OF 13 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 2001113245 EMBASE  
TITLE: Congenital thyrotoxicosis in premature infants.  
AUTHOR: Smith C.; Thomsett M.; Choong C.; Rodda C.; McIntyre H.D.; Cotterill A.M.  
CORPORATE SOURCE: Dr. A.M. Cotterill, Dept. of Paediatric Endocrinology, Mater Children's Hospital, Brisbane, QLD 4101, Australia  
SOURCE: Clinical Endocrinology, (2001) 54/3 (371-376).  
Refs: 19  
ISSN: 0300-0654 CODEN: CLENAO  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 003 Endocrinology  
007 Pediatrics and Pediatric Surgery  
037 Drug Literature Index  
038 Adverse Reactions Titles  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
AB OBJECTIVES: Graves' disease (GD) complicates 0.1% to 0.2% of pregnancies, but congenital thyrotoxicosis is rare occurring in one in 70 of these pregnancies independent of maternal disease status. Antenatal prediction of affected infants is imprecise; however, maternal history, coupled with a high maternal serum TSH receptor binding immunoglobulin index (TBII)

predict adverse neonatal outcome. Mortality is reported to be as high as 25% in affected infants and would therefore be expected to be higher in premature infants. This study illustrates that in sick, premature, extreme

low birth weight (ELBW) or intrauterine growth retarded (IUGR) infants, the diagnosis maybe overlooked especially in the absence of antenatal risk

assessment and management of thyrotoxicosis in this setting is complex. DESIGN and PATIENTS: The records of premature neonates born at the three main maternity units in Brisbane, between January 1996 and July 1998 diagnosed with congenital thyrotoxicosis were reviewed. Data were recorded

on gestational age, birth weight (B Wt), maternal thyroid history and current status, and neonatal course. Thyroid function and TBII status was assessed using standard biochemical assays. RESULTS: Seven neonates from five pregnancies were identified (four female, three male). Mean gestational age was 30 week (25-36 week) and median B Wt was 1.96 kg (0.50-2.62 kg). Only one mother received formal antenatal counselling by

a paediatric endocrine service and had a TBII (54%) measured prior to delivery. Three of five mothers had elevated TBII measured after diagnosis in their offspring (57%, 65%, 83%) and in one mother, a TBII was not performed. All mothers were biochemically euthyroid at delivery. Mean age at diagnosis was 9 days (1-16 days) and mean age at commencement of treatment was 12 days (7-26 days). Two infants received **propylthiouracil** and five received a combination of carbimazole and propranolol. Four became biochemically hypothyroid, in three this resolved with cessation of the antithyroid drug (ATD), and one required ongoing T4 supplementation. Only one infant required treatment for **cardiac** failure and there were no deaths in this cohort.

CONCLUSIONS: This is a large series of extremely small and premature infants with neonatal thyrotoxicosis. Presentation was nonspecific. The diagnosis was delayed because of low birth weight, prematurity, multiple birth and/or an unrecognized maternal history of Graves' disease. The treatment of neonatal thyrotoxicosis was difficult in these extreme low birth weight infants yet no infant died and significant morbidity was confined to high output **cardiac** failure in one infant. With antenatal recognition of past or active Graves' disease, assessment of maternal TSH receptor binding immunoglobulin index prior to delivery and postnatal monitoring of cord TSH and venous fT4 and TSH on days 4 and 7 rapid treatment of affected infants may have further reduced neonatal morbidity.

L9 ANSWER 5 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1996:469712 BIOSIS  
DOCUMENT NUMBER: PREV199699192068  
TITLE: Consensus statement for good practice and audit measures  
in the management of hypothyroidism and hyperthyroidism.  
AUTHOR(S): Vanderpump, M. P. J.; Ahlquist, J. A. O.; Franklyn, J. A.; Clayton, R. N. (1)  
CORPORATE SOURCE: (1) Dep. Diabetes Endocrinol., City Gen. Hosp., Stoke on Trent ST4 6QG UK  
SOURCE: British Medical Journal, (1996) Vol. 313, No. 7056, pp. 539-544.  
ISSN: 0950-8138.  
DOCUMENT TYPE: Standard  
LANGUAGE: English

L9 ANSWER 6 OF 13 MEDLINE DUPLICATE 1  
ACCESSION NUMBER: 96200639 MEDLINE  
DOCUMENT NUMBER: 96200639 PubMed ID: 8677108  
TITLE: Successful treatment of recurrent non-immune hydrops secondary to fetal hyperthyroidism.  
AUTHOR: Treadwell M C; Sherer D M; Sacks A J; Ghezzi F; Romero R

CORPORATE SOURCE: Department of Obstetrics and Gynecology, Hutzel Hospital/Wayne State University, Detroit, Michigan, USA.  
OBSTETRICS AND GYNECOLOGY, (1996 May) 87 (5 Pt 2) 838-40.  
SOURCE:

Journal code: 0401101. ISSN: 0029-7844.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199608  
ENTRY DATE: Entered STN: 19960822  
Last Updated on STN: 19960822  
Entered Medline: 19960815

AB BACKGROUND: Non-immune fetal hydrops is a heterogeneous disorder with a mortality rate of 50-98%. Resolution of non-immune fetal hydrops is rare but has been reported to occur spontaneously or after targeted therapeutic

measures. CASE: A euthyroid gravida with Graves disease presented with a history of three prior perinatal deaths between 26 and 28 weeks' gestation, all associated with fetal hydrops. In the current pregnancy, the fetus developed hydrops at 24 weeks' gestation. Fetal

hyperthyroidism, with high-output **cardiac** failure, was diagnosed with fetal blood sampling. After maternal therapy with **propylthiouracil**, resolution of the non-immune hydrops were documented and a **healthy** neonate subsequently delivered to term. The neonate developed transient hyperthyroidism after delivery, which required treatment for 10 weeks.

CONCLUSION: Non-immune hydrops occurring as a result of fetal hyperthyroidism with high output **cardiac** failure is treatable with **propylthiouracil**.

L9 ANSWER 7 OF 13 USPATFULL  
ACCESSION NUMBER: 94:88500 USPATFULL  
TITLE: Controlled release powder and process for its preparation  
INVENTOR(S): Sparks, Randall T., Gainesville, GA, United States  
Geoghegan, Edward J., Westmeath, Ireland  
PATENT ASSIGNEE(S): Elan Corporation, plc, Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5354556		19941011
APPLICATION INFO.:	US 1990-537065		19900709 (7)
DISCLAIMER DATE:	20070828		
RELATED APPLN. INFO.:			Continuation of Ser. No. US 1988-169447, filed on 17 Mar 1988, now patented, Pat. No. US 4952402 which is a continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now patented, Pat. No. US 4940588

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-278884	19841030
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Harrison, R.	
LEGAL REPRESENTATIVE:	Church, Marla J.	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 16 Drawing Page(s)	
LINE COUNT:	1139	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of

from

0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingredient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree.

C.

and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 13 USPATFULL  
ACCESSION NUMBER: 90:91090 USPATFULL  
TITLE: Synthetic peptides derived from the alpha-subunit of human lycoprotein hormones  
INVENTOR(S): Ryan, Robert J., Rochester, MN, United States  
McCormick, Daniel J., Rochester, MN, United States  
Morris, John C., Rochester, MN, United States  
Charlesworth, M. Cristine, Rochester, MN, United States  
States  
PATENT ASSIGNEE(S): Mayo Foundation for Medical Education and Research, Rochester, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4973578		19901127
APPLICATION INFO.:	US 1988-169375		19880317 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Moezie, F. T.		
LEGAL REPRESENTATIVE:	Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	809		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	Synthetic peptides corresponding to .alpha.-subunit of human glycoprotein hormone amino acid regions .alpha.31-45, .alpha.21-35, .alpha.26-46 and .alpha.81-92; were found to inhibit binding of 125.sub.I-bTSH to human thyroid. Peptides corresponding to regions .alpha.26-46 and .alpha.31-45 were also found to potently inhibit the stimulation of adenylate cyclase activity by bTSH in a TSH bioassay using FRTL-5 cells and block the action of thyroid stimulating immunoglobulin.		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 13 USPATFULL  
ACCESSION NUMBER: 90:67456 USPATFULL  
TITLE: Controlled release powder and process for its preparation  
INVENTOR(S): Sparks, Randall T., Gainesville, GA, United States  
Geoghegan, Edward J., Athlone, Ireland  
PATENT ASSIGNEE(S): Elan Corporation, p.l.c., Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4952402		19900828
APPLICATION INFO.:	US 1988-169447		19880317 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-2788	19841030
DOCUMENT TYPE:	Utility	

FILE SEGMENT: Granted  
PRIMARY EXAMINER: Page, Thurman K.  
LEGAL REPRESENTATIVE: Falk, Robert Hardy, Croskell, Henry  
NUMBER OF CLAIMS: 52  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 15 Drawing Page(s)  
LINE COUNT: 1310  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of from

0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingredient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree.

C.

and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

LG ANSWER 10 OF 13 USPATFULL  
ACCESSION NUMBER: 90:54484 USPATFULL  
TITLE: Controlled release powder and process for its preparation  
INVENTOR(S): Sparks, Randall T., Gainesville, GA, United States  
Geoghegan, Edward J., Athlone, Ireland  
PATENT ASSIGNEE(S): Elan Corporation, Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4940588		19900710
APPLICATION INFO.:	US 1988-171131		19880317 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-2783	19841030
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Rose, Shep K.	
LEGAL REPRESENTATIVE:	Falk, Robert H., Croskell, Henry	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 15 Drawing Page(s)	
LINE COUNT:	1123	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of from

0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingredient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree.

C.

and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

LG ANSWER 11 OF 13 USPATFULL  
ACCESSION NUMBER: 90:32202 USPATFULL

TITLE: Method of lowering LDL cholesterol in blood  
INVENTOR(S): Nestler, John E., Richmond, VA, United States  
Barlascini, Cornelius O., Columbus, GA, United States  
Clore, John N., Richmond, VA, United States  
Blackard, William G., Richmond, VA, United States  
PATENT ASSIGNEE(S): Virginia Commonwealth University, Richmond, VA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4920115		19900424
APPLICATION INFO.:	US 1988-291149		19881228 (7)
DOCUMENT TYPE:		Utility	
FILE SEGMENT:		Granted	
PRIMARY EXAMINER:		Snead, H. M. S.	
ASSISTANT EXAMINER:		Saba, James	
LEGAL REPRESENTATIVE:		Whitham & Marhoefer	
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:		1 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	516		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Therapeutic amounts of DHEA are administered to human patients for the treatment and prevention of such disorders as atherosclerosis, angina, diabetes, obesity and congestive heart failure. Administering therapeutic quantities of DHEA to human patients has been found to reduce body fat mass and increase muscle mass, lower serum LDL cholesterol levels, lower serum apoB levels, and not affect tissue sensitivity to insulin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1985:420720 CAPLUS  
DOCUMENT NUMBER: 103:20720  
TITLE: A myothermal analysis of the myosin crossbridge cycling rate during isometric tetanus in normal and hypothyroid rat hearts  
AUTHOR(S): Alpert, N. R.; Mulieri, L. A.; Litten, R. Z.; Holubarsch, C.  
CORPORATE SOURCE: Dep. Physiol. Biophys., Univ. Vermont, Burlington, VT,  
USA

SOURCE: Eur. Heart J. (1984), 5(Suppl. F), 3-11  
CODEN: EHJODF; ISSN: 0195-668X

DOCUMENT TYPE: Journal  
LANGUAGE: English

AB The problem of internal shortening, which takes place during force development and dissipation in the isometric twitch, is minimized by carrying out measurements of the rate of heat liberation during the plateau phase of tetanic force maintenance. The V1/V3 myosin isoenzyme ratio is altered by treating rats with **propylthiouracil** (PTU) added to the drinking water; here the contractile protein alteration occurs with myocardial atrophy rather than hypertrophy. High resoln., rapid temp. measurements are made in tetanically stimulated isometrically contracting rat **heart** papillary muscles from normal (high V1/V3 ratio) and PTU treated (low V1/V3 ratio) rats to assess the relation between contractile protein performance (crossbridge cycling rate) in the intact muscle and that under controlled conditions in isolated myofibrils.

In papillary muscles from the normal **heart** the crossbridge cycling rate during force maintenance was 6.53 Hz compared with 3.13 and 0.53 cycles/s in the myofibril at high and low ionic strength, resp. For the PTU treated papillary muscles the cycling rate during force maintenance was 2.71 cycles/s while in the myofibril at high and low ionic

strength it was 0.97 and 0.34 cycles/s, resp. This difference may be a result of reduced cycling rate in myofibrillar preps. caused by a disorganization of the filament lattice as a result of loss of the sarcolemma and when unrestrained sarcomere shortening occurs. Similar to the results found previously in the rabbit (with low V1/V3 ratios) the economy of force maintenance was substantially increased in the PTU (low V1/V3) treated rat hearts. Anal. of this increase in economy indicates that it resulted from a decrease in the myosin crossbridge cycling rate assocd. with an increase in the on time (period during which the crossbridge is connected to actin and developing force). In the normal heart preps. studies were carried out at a lower temp. (21 vs 11.degree.) to see if decreasing the cycling rate by means of a temp. change would increase the economy of force maintenance and if the Q10 for the cycling rate and on time were identical. Force maintenance at the lower temp. was more economical than at the higher temp. while the Q10 for cycling rate and on time were 1.7 and 2.7, resp.

for

L9 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1956:45584 CAPLUS  
DOCUMENT NUMBER: 50:45584  
ORIGINAL REFERENCE NO.: 50:8848d-e  
TITLE: Effects of sitosterol ingestion on serum cholesterol concentration  
AUTHOR(S): Shipley, R. E.  
CORPORATE SOURCE: Indianapolis General Hosp., IN  
SOURCE: Trans. N.Y. Acad. Sci. (1955), 18, 111-18  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable  
AB Feeding of sitosterol to the following caused a lowering of serum cholesterol: dogs made hypercholesteremic by cholesterol feeding and propylthiouracil; healthy male adult; female adult with hypertension; female adult with hypercholesterolemia and arteriosclerotic heart disease; female adult with hypercholesterolemia; male diabetic.

=> d kwic 2 5 9 11

L9 ANSWER 2 OF 13 USPATFULL  
GOVI This invention was made with Government support under a National Institutes of **Health** grant awarded by contract AG15434. The government has certain rights in this invention.  
SUMM . . . to be 4-5 million individuals, with annualized hospital and care costs of about \$12, billion per year (Levit et al., **Health** Care Finan. Rev. 13: 29-54, [1991]; O'Connell, J. Heart Lung Transplant 13: S107-S248, [1994]; Gheorghiade et al., Am. Heart J.. . .  
DETD . . . Sprague Dawley rats by enzymatic digestion as described previously (Westfall, et al., supra). Rats were made hypothyroid by adding 0.6% **propylthiouracil** to the drinking water for a minimum of 4 weeks prior to myocyte isolation. Myocytes were isolated by removing the **heart** from an anesthetized rat and perfusing the **heart** with Kreb's Henseleit Buffer (KHB)+1 mM CaCl<sub>2</sub> for 5 minutes on a modified Langendorff perfusion apparatus. The **heart** was then perfused with Ca<sup>2+</sup>-free KHB for 5 minutes followed by addition of collagenase (0.5 mg/ml) and hyaluronidase (0.2. . .

L9 ANSWER 5 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
IT Major Concepts  
Cardiovascular Medicine (Human Medicine, Medical Sciences); Development; Endocrine System (Chemical Coordination and Homeostasis); Metabolism; Pathology; Pharmacology; Public **Health** (Allied Medical Sciences); Radiology (Medical Sciences); Reproductive System (Reproduction); Surgery (Medical Sciences); Toxicology

IT Chemicals & Biochemicals  
THYROXINE; CARBIMAZOLE; PROPYLTHIOURACIL  
IT Miscellaneous Descriptors  
ADVERSE SIDE EFFECTS; ANTITHYROID-DRUG; CARBIMAZOLE; DIAGNOSIS;  
GRAVES' DISEASE; HYPEREMESIS GRAVIDARUM; ISCHEMIC **HEART** DISEASE;  
**PROPYLTHIOURACIL**; RADIOIODINE; SURGERY; THIONAMIDES;  
THYROIDITIS; THYROTOXICOSIS; THYROIDINE

L9 ANSWER 9 OF 13 USPATFULL

DETD . . . ascorbic acid, alpha tocopherol, thiamine and pyridoxine; anti-spasmodic drugs such as dicyclomine and diphenoxylate; drugs affecting the rhythm of the **heart** such as verapamil, nifedipine, diltiazem, procainamide, disopyramide, bretylium tosylate, quinidine sulfate and quinidine gluconate; drugs used in the treatment of . . . as tolbutamide, disbenase glucagon and insulin; drugs used

in

the treatment of thyroid gland dysfunction such as triiodothyronine, thyroxine and **propylthiouracil**, diuretic drugs such as furosemide, chlorthalidone, hydrochlorothiazide, spironolactone and triamterene; the uterine relaxant drug ritodrine; appetite suppressants such as fenfluramine. . .

DETD Other suitable formulations incorporating the micro-particles according to the invention include inhalants, magmas, intrauterine devices, patches, biodegradable **wound** dressings and other topical dressings.

L9 ANSWER 11 OF 13 USPATFULL

GOVI This invention was made with U.S. Government support under contracts RR00065 and AM07423 awarded by the National Institutes of **Health**. The government has certain rights in this invention.

SUMM . . . Geriatrics 37: 157 (1982), DHEA was reported to be a "miracle drug" which may prevent obesity, aging, diabetes mellitus and **heart** disease. These assertions stem from animal studies which demonstrated that DHEA administration resulted in lower body weight in C3H(Avy/a) mice. . . tissue sensitivity to insulin in aged normal mice, and prevented the rise in cholesterol levels of rats made hypothyroid with **propylthiouracil**. Human studies have revealed an inverse correlation between fetal serum DHEA-S and low density lipoprotein (LDL) levels (Parker et al., . . .

DETD . . . men contrasts significantly with animal studies, in which DHEA prevented the rise in serum cholesterol in rats made hypothyroid with **propylthiouracil**, but had no effect on serum cholesterol levels in normal rats (Ben-David et al, Proc. Soc. Exp. Biol. Med. 125: . . . inventor's study represents an estimated 14% reduction in risk for the development of cardiovascular disease. The derived reduction of

coronary

**heart** disease from the reduction of cholesterol is discussed in the Lipid Research Clinics article, JAMA, 251: 365-3/4 (1984), and this.

. . .

=> d history

(FILE 'HOME' ENTERED AT 10:35:09 ON 09 OCT 2002)

FILE 'MEDLINE, CAPLUS, LIFESCI, EMBASE, USPATFULL, BIOSIS' ENTERED AT 10:35:26 ON 09 OCT 2002

E HEBER-KATZ ?/AU  
E HEBER-KATZ ?/AU

L1 327 S E4-6

L2 7 S L1 AND (CARDIAC OR HEART)

L3 3 DUP FEM L2 (4 DUPLICATES REMOVED)

L4 127 DUP FEM L1 (200 DUPLICATES REMOVED)

L5 124 S L4 NOT L2  
L6 1092 S PROPYLTHIOURACIL AND (CARDIAC OR HEART)  
L7 486 S PFCPYLTHIOURACIL (P) (CARDIAC OR HEART)  
L8 15 S L7 AND (HEAL? OR WOUND OR SCAR)  
L9 13 DUP REM L8 (2 DUPLICATES REMOVED)

=> s 17 and ischemia

L10 6 L7 AND ISCHEMIA

=> s 110 not 18

L11 6 L10 NOT L8

=> dup rem 111

PROCESSING COMPLETED FOR L11

L12 3 DUP REM L11 (3 DUPLICATES REMOVED)

=> d 112 ibib abs tot

L12 ANSWER 1 OF 3 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1  
ACCESSION NUMBER: 93231809 EMBASE  
DOCUMENT NUMBER: 1993231809  
TITLE: [Acute ischemic **heart** disease and thyrotoxicosis:  
Rapid regression of myocardial **ischemia** with  
propranolol and **propylthiouracil**. A case report].  
**ISCHEMIA** MIOCARDIA ACUTA IN CORSO DI  
TIROTOSSICOSI: REGRESSIONE RAPIDA DELL'**ISCHEMIA**  
CON L'IMPIEGO DI PROPRANOLOLO E PROPILTIOURACILE.  
DESCRIZIONE DI UN CASO CLINICO.  
AUTHOR: Della Corte C.; Della Corte R.; Festa M.  
CORPORATE SOURCE: Piazza della Rocca, 2, 01100 Viterbo, Italy  
SOURCE: Gazzetta Medica Italiana Archivio per le Scienze Mediche,  
(1993) 152/4 (149-153).  
ISSN: 0393-3660 CODEN: GMIMES  
COUNTRY: Italy  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 003 Endocrinology  
013 Cardiovascular Diseases and Cardiovascular Surgery  
037 Drug Literature Index  
LANGUAGE: Italian  
SUMMARY LANGUAGE: Italian; English

L12 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 2  
ACCESSION NUMBER: 1989:571851 CAPLUS  
DOCUMENT NUMBER: 111:171851  
TITLE: Ventricular fibrillation is reduced in hypothyroid  
rats with enhanced myocardial .alpha.-adrenoceptor  
responsiveness  
AUTHOR(S): Chess-Williams, R.; Coker, S. J.  
CORPORATE SOURCE: Dep. Pharmacol. Ther., Univ. Liverpool, Liverpool,  
L69 3BX, UK  
SOURCE: Br. J. Pharmacol. (1989), 98(1), 95-100  
CODEN: BJPCBM; ISSN: 0007-1188  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The severity of ventricular arrhythmias induced by coronary artery  
occlusion and reperfusion was examd. in control rats and animals made  
hypothyroid by pretreatment with 6-**propylthiouracil** (PTU). The  
maximal driving frequency and sensitivity of isolated left atria and  
papillary muscles to isoprenaline and to phenylephrine in the presence of  
propranolol, were also examd. in tissues from control and hypothyroid  
animals. Pretreatment with PTU resulted in a potentiation of responses

to

the .alpha.-adrenoceptor agonist phenylephrine in both left atria and papillary muscles, while responses to isoprenaline were depressed in left atria but unaltered in papillary muscles from hypothyroid animals. In rats subject to coronary artery occlusion, PTU pretreatment reduced the incidence of ventricular fibrillation during acute myocardial **ischemia** and abolished reperfusion-induced ventricular fibrillation. Mortality during myocardial **ischemia** and reperfusion was also abolished. Diastolic blood pressure was similar in hypothyroid and control animals, but there was a small redn. in systolic blood pressure and a marked decrease in **heart** rate in PTU-pretreated animals. Thus, PTU-induced hypothyroidism represents a condition where **cardiac** .alpha.-adrenoceptor-mediated responses are enhanced but the severity of **ischemia**- and reperfusion-induced arrhythmias is reduced.

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1979:146811 CAPLUS  
DOCUMENT NUMBER: 90:146811  
TITLE: Alcohol induced susceptibility to hypoxic liver damage: possible role in the pathogenesis of alcoholic liver disease?  
AUTHOR(S): Israel, Y.; Orrego, H.; Khanna, J. M.; Stewart, D.  
J.; Phillips, M. J.; Kalant, H.  
CORPORATE SOURCE: Addict. Res. Found., Univ. Toronto, Toronto, Ont., Can.  
SOURCE: Hepatology (N. Y.) (1977), 3(Alcohol Liver), 323-48  
CODEN: HEPADF; ISSN: 0161-0538  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Chronic ETOH [64-17-5] feeding to rats caused increased alc. metab., O uptake and liver lesions. The severity of the lesions was proportional to the degree of hypoxia. The alterations were localized in the periacinar zone and were characterized by necrosis, degeneration, and mild leukocytic infiltration. **Propylthiouracil** treatment which is known to reduce tissue O consumption markedly protected against liver damage induced by hypoxia in alc.-treated animals. The liver of the spontaneously hypersensitive strain of rats showed marked increases in alc. metab. and of O consumption following chronic alc. feeding. These animals, in which **cardiac** output and liver perfusion rates were known to be reduced by hypertension, developed liver lesions spontaneously, when ETOH was fed chronically. **Ischemia**, resulting from a combination of metabolic factors and subclin. and clin. conditions may play a role in producing liver lesions of an alc.

=> d 1 all

L12 ANSWER 1 OF 3 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1  
AN 93231809 EMBASE  
DN 1993231809  
TI [Acute ischemic **heart** disease and thyrotoxicosis: Rapid regression of myocardial **ischemia** with propranolol and **propylthiouracil**. A case report].  
ISCHEMIA MIOCARDIA ACUTA IN CORSO DI TIREOTOXICOSI: REGRESSIONE RAPIDA DELL'**ISCHEMIA** CON L'IMPIEGO DI PROPRANOLOLO E PROFILTIOURACILE. DESCRIZIONE DI UN CASO CLINICO.  
AU Della Corte C.; Della Corte R.; Festa M.  
CS Piazza della Rocca, 2, 01100 Viterbo, Italy  
SO Gazzetta Medica Italiana Archivio per le Scienze Mediche, (1993) 152/4 (149-153).  
ISSN: 0393-3660 CODEN: GMIMES  
CY Italy

DT Journal; Article  
FS 003 Endocrinology  
018 Cardiovascular Diseases and Cardiovascular Surgery  
037 Drug Literature Index  
LA Italian  
SL Italian; English  
CT Medical Descriptors:  
\*ischemic heart disease: DT, drug therapy  
\*thyrotoxicosis: DT, drug therapy  
aged  
article  
case report  
female  
human  
Drug Descriptors:  
\*propranolol: DT, drug therapy  
\*propylthiouracil: DT, drug therapy  
calcium antagonist: DT, drug therapy  
digoxin: DT, drug therapy  
glyceryl trinitrate: DT, drug therapy  
heparin: DT, drug therapy  
lanatoside c: DT, drug therapy  
verapamil: DT, drug therapy  
RN (propranolol) 13013-17-7, 318-98-9, 3506-09-0, 4199-09-1, 525-66-6;  
(propylthiouracil) 51-52-5; (digoxin) 20830-75-5, 57285-89-9; (glyceryl  
trinitrate) 55-63-0; (heparin) 37187-54-5, 8057-48-5, 8065-01-8,  
9005-48-5; (lanatoside c) 17575-22-3; (verapamil) 152-11-4, 52-53-9

=> s hypothyroid? and heart

L13 5511 HYPOTHYROID? AND HEART

=> s 113 and (wound or ischemi?)

L14 573 L13 AND (WOUND OR ISCHEMI?)

=> s 113 (p) (wound or ischemi?)

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L67 (P)'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L68 (P)'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L69 (P)'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L70 (P)'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L71 (P)'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L72 (P)'  
L15 573 L13 (P) (WOUND OR ISCHEMI?)

=> s hypothyroid? (p) ( heart or cardiac)

L16 4365 HYPOTHYROID? (P) (HEART OR CARDIAC)

=> s 116 (p) (wound or ischemi?)

L17 177 L16 (P) (WOUND OR ISCHEMI?)

=> dup rem 117

PROCESSING COMPLETED FOR L17

L18 121 DUP REM L17 (56 DUPLICATES REMOVED)

=> s 118 an py<2001

MISSING OPERATOR L18 AN

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s 118 and py<2001

3 FILES SEARCHED...  
L19 95 L18 AND PY<2001

=> d 119 ibib abs 1-10

L19 ANSWER 1 OF 95 MEDLINE  
ACCESSION NUMBER: 2000080513 MEDLINE  
DOCUMENT NUMBER: 20080513 PubMed ID: 10614850  
TITLE: Combined cardiac surgery and total thyroidectomy: a case report.  
AUTHOR: Matsuyama K; Ueda Y; Ogino H; Sugita T; Nishizawa J; Matsubayashi K; Yoshimura S; Yoshioka T; Tokuda Y  
CORPORATE SOURCE: Department of Cardiovascular Surgery, Tenri Hospital, Nara, Japan.  
SOURCE: JAPANESE CIRCULATION JOURNAL, (1999 Dec) 63 (12) 1004-6.  
PUB. COUNTRY: Australia  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200001  
ENTRY DATE: Entered STN: 20000204  
Last Updated on STN: 20000204  
Entered Medline: 20000127

AB A 65-year-old woman with aortic stenosis, **ischemic heart** disease, and Graves' disease had complained of effort angina. She then suffered from liver dysfunction due to treatment with antithyroid drugs. One year after the start of radioiodine administration, she demonstrated unstable angina with palpitation and sweating. Laboratory studies

revealed a recurrent hyperthyroid state, and a second coronary angiogram revealed progressive **ischemic heart** disease. Combined coronary artery bypass grafting, aortic valve replacement, and total thyroidectomy were performed. The postoperative course was uneventful without any problems associated with hyperthyroidism or **hypothyroidism**. Combined **cardiac** surgery and total thyroidectomy can be performed safely if the perioperative levels of thyroid hormone are maintained at euthyroid or **hypothyroid** levels.

L19 ANSWER 2 OF 95 MEDLINE  
ACCESSION NUMBER: 97430416 MEDLINE  
DOCUMENT NUMBER: 97430416 PubMed ID: 9333319  
TITLE: [Hypothyroidism with pseudo-ischemic and hypertensive clinical presentation: physiopathological and diagnostic considerations]. Ipotiroidismo a presentazione clinica pseudo-ischemica ed ipertensiva: considerazioni fisiopatologiche e diagnostiche.  
AUTHOR: La Brocca A  
CORPORATE SOURCE: Divisione di Medicina Interna, Ospedale Civile di Giaveno (TO), Azienda Regionale U.S.L. 5 di Torino.  
SOURCE: ANNALI ITALIANI DI MEDICINA INTERNA, (1997 Apr-Jun) 12 (2) 94-7.  
PUB. COUNTRY: Italy

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: Italian  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199710  
ENTRY DATE: Entered STN: 19971024

L5 ANSWER 21 OF 124 MEDLINE  
ACCESSION NUMBER: 93119417 MEDLINE  
DOCUMENT NUMBER: 93119417 PubMed ID: 7681993  
TITLE: In vivo expression of inducible nitric oxide synthase in experimentally induced neurologic diseases.  
COMMENT: Erratum in: Proc Natl Acad Sci U S A 1993 Jun 1;90(11):5378  
AUTHOR: Koprowski H; Zheng Y M; **Heber-Katz E**; Fraser N; Rorke L; Fu Z F; Hanlon C; Dietzschold B  
CORPORATE SOURCE: Department of Microbiology and Immunology, Thomas Jefferson University, Philadelphia, PA 19107.  
CONTRACT NUMBER: AI-09701 (NIAID)  
MH-45174 (NIMH)  
NS11036 (NINDS)  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1993 Apr 1) 90 (7) 3024-7.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199305  
ENTRY DATE: Entered STN: 19930521  
Last Updated on STN: 20000303  
Entered Medline: 19930504

L5 ANSWER 22 OF 124 MEDLINE  
ACCESSION NUMBER: 92384529 MEDLINE  
DOCUMENT NUMBER: 92384529 PubMed ID: 1331167  
TITLE: Shared T-cell receptor gene usage in experimental allergic neuritis and encephalomyelitis.  
COMMENT: Comment in: Ann Neurol. 1993 Jul;34(1):113-4  
AUTHOR: Clark L; **Heber-Katz E**; Postami A  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA.  
CONTRACT NUMBER: AR39489 (NIAMS)  
NS-11036 (NINDS)  
NS08075 (NINDS)  
SOURCE: ANNALS OF NEUROLOGY, (1992 Jun) 31 (6) 587-92.  
Journal code: 7707449. ISSN: 0364-5134.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199209  
ENTRY DATE: Entered STN: 19921018  
Last Updated on STN: 20000303  
Entered Medline: 19920925

L5 ANSWER 23 OF 124 MEDLINE  
ACCESSION NUMBER: 92352658 MEDLINE  
DOCUMENT NUMBER: 92352658 PubMed ID: 1386519  
TITLE: Observations, legends, and conjectures concerning restricted T-cell receptor usage and autoimmune disease.  
AUTHOR: Esch T; Clark L; Zhang X M; Goldman S; **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.  
CONTRACT NUMBER: CA-09171 (NCI)  
NS-11036-17 (NINDS)  
SOURCE: CRITICAL REVIEWS IN IMMUNOLOGY, (1992) 11 (5) 249-64.  
Ref:

140  
Journal code: 8914819. ISSN: 1040-8401.  
United States  
Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW;  
(REVIEW, ACADEMIC)  
English  
Priority Journals  
199209  
Entered STN: 19920925  
Last Updated on STN: 19920925  
Entered Medline: 19920904

L5 ANSWER 24 OF 124 MEDLINE  
ACCESSION NUMBER: 92121421 MEDLINE  
DOCUMENT NUMBER: 92121421 PubMed ID: 1531052  
TITLE: A workshop on thymus, clonal deletion and suppressor systems in demyelinating disease. 20-24 March 1991, Eldorado Hotel, Santa Fe, NM, USA.  
AUTHOR: Heber-Katz E; Waksman B  
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.  
SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (1992 Feb) 36 (2-3) 231-8.  
Journal code: 8109498. ISSN: 0165-5728.

PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Conference; Conference Article; (CONGRESSES)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199202  
ENTRY DATE: Entered STN: 19920315  
Last Updated on STN: 19990129  
Entered Medline: 19920221

L5 ANSWER 25 OF 124 MEDLINE  
ACCESSION NUMBER: 92113254 MEDLINE  
DOCUMENT NUMBER: 92113254 PubMed ID: 1370515  
TITLE: T cell receptor sequences from encephalitogenic T cells in adult Lewis rats suggest an early ontogenetic origin.  
AUTHOR: Zhang X M; Heber-Katz E  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.  
CONTRACT NUMBER: NS-11036-17 (NINDS)  
SOURCE: JOURNAL OF IMMUNOLOGY, (1992 Feb 1) 148 (3) 746-52.  
Journal code: 2985117F. ISSN: 0022-1767.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199202  
ENTRY DATE: Entered STN: 19920308  
Last Updated on STN: 20000303  
Entered Medline: 19920219

L5 ANSWER 26 OF 124 MEDLINE  
ACCESSION NUMBER: 92062769 MEDLINE  
DOCUMENT NUMBER: 92062769 PubMed ID: 1954284  
TITLE: The autoimmune T-cell receptor in experimental disease.  
AUTHOR: Heber-Katz E  
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania.  
SOURCE: IMMUNOLOGY SERIES, (1991) 55 155-69. Ref: 72  
Journal code: 0404721. ISSN: 0092-6019.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: General Review; (REVIEW)  
(REVIEW, ACADEMIC)  
Priority Journals

ENTRY MONTH: 199201  
ENTRY DATE: Entered STN: 19920124  
Last Updated on STN: 20000303  
Entered Medline: 19920102

L5 ANSWER 27 OF 124 MEDLINE  
ACCESSION NUMBER: 91334437 MEDLINE  
DOCUMENT NUMBER: 91334437 PubMed ID: 1714594  
TITLE: T-cell receptor peptide immunization leads to enhanced and  
chronic experimental allergic encephalomyelitis.  
AUTHOR: Desquenne-Clark L; Esch T R; Otvos L Jr; **Heber-Katz**  
**E**  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA  
19104.  
CONTRACT NUMBER: NS 11036 (NINDS)  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE  
UNITED STATES OF AMERICA, (1991 Aug 15) 88 (16) 7219-23.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199109  
ENTRY DATE: Entered STN: 19911006  
Last Updated on STN: 20000303  
Entered Medline: 19910918

L5 ANSWER 28 OF 124 MEDLINE  
ACCESSION NUMBER: 91332429 MEDLINE  
DOCUMENT NUMBER: 91332429 PubMed ID: 1714476  
TITLE: Nonencephalitogenic CD4-CD8- V alpha 2V beta 8.2+  
anti-myelin basic protein rat T lymphocytes inhibit  
disease induction.  
AUTHOR: Lider O; Miller A; Miron S; Hershkoviz R; Weiner H L;  
Zhang X M; **Heber-Katz E**  
CORPORATE SOURCE: Department of Cell Biology, Weizmann Institute of Science,  
Rehovot, Israel.  
SOURCE: JOURNAL OF IMMUNOLOGY, (1991 Aug 15) 147 (4) 1208-13.  
Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199109  
ENTRY DATE: Entered STN: 19911006  
Last Updated on STN: 20000303  
Entered Medline: 19910916

L5 ANSWER 29 OF 124 MEDLINE  
ACCESSION NUMBER: 91161691 MEDLINE  
DOCUMENT NUMBER: 91161691 PubMed ID: 1705946  
TITLE: Cytotoxic effects of myelin basic protein-reactive T cell  
hybridoma cells on oligodendrocytes.  
AUTHOR: Kawai K; **Heber-Katz E**; Zweiman B  
CORPORATE SOURCE: Department of Neurology, University of Pennsylvania School  
of Medicine, Philadelphia 19104-6057.  
CONTRACT NUMBER: NS11036 (NINDS)  
SOURCE: PO1 NS11037 (NINDS)  
JOURNAL OF NEUROIMMUNOLOGY, (1991 Apr) 32 (1) 75-81.  
Journal code: 8109498. ISSN: 0165-5728.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals

ENTRY MONTH: 199104  
ENTRY DATE: Entered STN: 19910505  
Last Updated on STN: 19960129  
Entered Medline: 19910417

L5 ANSWER 30 OF 124 MEDLINE  
ACCESSION NUMBER: 91079587 MEDLINE  
DOCUMENT NUMBER: 91079587 PubMed ID: 1701801  
TITLE: Characterization of a new, potent, immunopathogenic  
epitope in S-antigen that elicits T cells expressing V beta 8 and  
V alpha 2-like genes.  
AUTHOR: Merryman C F; Donoso L A; Zhang X M; **Heber-Katz E**  
; Gregerson D S  
CORPORATE SOURCE: Department of Biochemistry, Jefferson Medical College,  
Thomas Jefferson University, Philadelphia, PA 19107.  
CONTRACT NUMBER: EY05095 (NEI)  
EY07610 (NEI)  
NS11086 (NINDS)  
+  
SOURCE: JOURNAL OF IMMUNOLOGY, (1991 Jan 1) 146 (1) 75-80.  
Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199101  
ENTRY DATE: Entered STN: 19910322  
Last Updated on STN: 19970203  
Entered Medline: 19910128

L5 ANSWER 31 OF 124 MEDLINE  
ACCESSION NUMBER: 91070846 MEDLINE  
DOCUMENT NUMBER: 91070846 PubMed ID: 1983968  
TITLE: Conserved T cell receptor V gene usage by uveitogenic T  
cells.  
AUTHOR: Gregerson D S; Fling S P; Merryman C F; Zhang X M; Li X B;  
**Heber-Katz E**  
CORPORATE SOURCE: Department of Ophthalmology, University of Minnesota,  
Minneapolis 55455.  
CONTRACT NUMBER: EY05417 (NEI)  
NS11086 (NINDS)  
SOURCE: CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY, (1991 Jan) 58 (1)  
154-61.  
Journal code: 0356637. ISSN: 0090-1229.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199101  
ENTRY DATE: Entered STN: 19910308  
Last Updated on STN: 19910308  
Entered Medline: 19910122

L5 ANSWER 32 OF 124 MEDLINE  
ACCESSION NUMBER: 90357695 MEDLINE  
DOCUMENT NUMBER: 90357695 PubMed ID: 2143872  
TITLE: Immunologic consequence of class II+ pancreatic islet  
allografts on recipient responsiveness.  
AUTHOR: Markmann J F; Barker C F; Lo D; Brinster R; **Heber-Katz**  
**E**; Naji A  
CORPORATE SOURCE: Department of Surgery, University of Pennsylvania Medical  
Center, Philadelphia 19104.  
CONTRACT NUMBER: 5Y32GM07170 (NIGMS)  
DK26007 (NIDDK)

SOURCE: TRANSPLANTATION PROCEEDINGS, (1990 Aug) 22 (4) 2052-3.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199009  
 ENTRY DATE: Entered STN: 19901026  
 Last Updated on STN: 19901026  
 Entered Medline: 19900906

LS ANSWER 33 OF 124 MEDLINE  
 ACCESSION NUMBER: 90336334 MEDLINE  
 DOCUMENT NUMBER: 90336334 PubMed ID: 2484251  
 TITLE: A new hierarchy of TCR specificity: autoimmune diseases  
 are defined by particular V alpha V beta combinations and not  
 by antigen specificity.  
 AUTHOR: **Heber-Katz E**  
 CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia,  
 Pennsylvania 19104.  
 CONTRACT NUMBER: NS-11036 (NINDS)  
 SOURCE: COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY,  
 (1989) 54 Pt 2 375-3.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 199009  
 ENTRY DATE: Entered STN: 19901012  
 Last Updated on STN: 20000303  
 Entered Medline: 19900913

LS ANSWER 34 OF 124 MEDLINE  
 ACCESSION NUMBER: 90168093 MEDLINE  
 DOCUMENT NUMBER: 90168093 PubMed ID: 1639623  
 TITLE: The autoimmune T cell receptor: epitopes, idiotopes, and  
 malatopes.  
 AUTHOR: **Heber-Katz E**  
 CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.  
 SOURCE: CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY, (1990 Apr) 55 (1)  
 1-8. Ref: 36  
 Journal code: 0356637. ISSN: 0090-1229.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: General Review; (REVIEW)  
 FILE SEGMENT: (REVIEW, TUTORIAL)  
 ENTRY MONTH: 199004  
 ENTRY DATE: Entered STN: 19900601  
 Last Updated on STN: 20000303  
 Entered Medline: 19900405

LS ANSWER 35 OF 124 MEDLINE  
 ACCESSION NUMBER: 90063034 MEDLINE  
 DOCUMENT NUMBER: 90063034 PubMed ID: 2479681  
 TITLE: Determinants of human myelin basic protein that induce  
 encephalitogenic T cells in Lewis rats.  
 AUTHOR: Vandenbark A A; Hashim G A; Celnik B; Galang A; Li X B;  
**Heber-Katz E; Offner H**  
 CORPORATE SOURCE: Neuroimmunology Research, VA Medical Center, Portland, OR  
 97201.

CONTRACT NUMBER: NS-21466 (NINDS)

NS-23221 (NINDS)

NS-23444 (NINDS)

+

SOURCE: JOURNAL OF IMMUNOLOGY, (1989 Dec 1) 143 (11) 3512-6.  
Journal code: 2985117R. ISSN: 0022-1767.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199001  
ENTRY DATE: Entered STN: 19900328  
Last Updated on STN: 20000303  
Entered Medline: 19900105

L5 ANSWER 36 OF 124 MEDLINE

ACCESSION NUMBER: 89361265 MEDLINE  
DOCUMENT NUMBER: 89361265 PubMed ID: 2475577  
TITLE: Lack of immunodominance in the T cell response to herpes simplex virus glycoprotein D after administration of infectious virus.  
AUTHOR: Yamashita K; **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.  
CONTRACT NUMBER: AI-22528 (NIAID)  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Sep 1) 170 (3)  
997-1002.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198910  
ENTRY DATE: Entered STN: 19900309  
Last Updated on STN: 19970203  
Entered Medline: 19891003

L5 ANSWER 37 OF 124 MEDLINE

ACCESSION NUMBER: 89328317 MEDLINE  
DOCUMENT NUMBER: 89328317 PubMed ID: 2474052  
TITLE: T cell determinants of myelin basic protein include a unique encephalitogenic I-E-restricted epitope for Lewis rats.  
AUTHOR: Offner H; Hashim G A; Celnik B; Galang A; Li X B; Burns F R; Shen N; **Heber-Katz E**; Vandembark A A  
CORPORATE SOURCE: Veterans Administration Medical Center, Portland, Oregon 97201.  
CONTRACT NUMBER: NS-21466 (NINDS)

NS-23221 (NINDS)  
NS-23444 (NINDS)

+

SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Aug 1) 170 (2)  
355-67.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198909  
ENTRY DATE: Entered STN: 19900309  
Last Updated on STN: 20000303  
Entered Medline: 19890905

L5 ANSWER 38 OF 124 MEDLINE

ACCESSION NUMBER: 89302583 MEDLINE  
DOCUMENT NUMBER: 89302583 PubMed ID: 6101061

TITLE: The Ia molecule of the antigen-presenting cell plays a critical role in immune response gene regulation of T cell activation.

AUTHOR: **Heber-Katz E**; Hansburg D; Schwartz R H

CORPORATE SOURCE: Laboratory of Immunology, National Institutes of Allergy and Infectious Diseases, Bethesda, MD 20205.

SOURCE: JOURNAL OF MOLECULAR AND CELLULAR IMMUNOLOGY, (1983) 1 (1) 3-18.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 198908

ENTRY DATE: Entered STN: 19900309  
Last Updated on STN: 19900309  
Entered Medline: 19890821

L5 ANSWER 39 OF 124 MEDLINE

ACCESSION NUMBER: 89302580 MEDLINE

DOCUMENT NUMBER: 89302580 PubMed ID: 2663017

TITLE: The V-region disease hypothesis: evidence from autoimmune encephalomyelitis.

AUTHOR: **Heber-Katz E**; Acha-Orbea H

CONTACT NUMBER: AI007757 (NIAID)

PUB. COUNTRY: NS 11086 (NINDS)

DOCUMENT TYPE: NS 18235 (NINDS)

SOURCE: SCURCE: IMMUNOLOGY TODAY, (1989 May) 10 (5) 164-9. Ref: 41  
Journal code: 8008346. ISSN: 0167-5699.

PUB. COUNTRY: ENGLAND: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: General Review; (REVIEW)

FILE SEGMENT: (REVIEW, ACADEMIC)

ENTRY MONTH: English

ENTRY DATE: Priority Journals

198908

Entered STN: 19900309

Last Updated on STN: 20000303

Entered Medline: 19890922

L5 ANSWER 40 OF 124 MEDLINE

ACCESSION NUMBER: 89086963 MEDLINE

DOCUMENT NUMBER: 89086963 PubMed ID: 2462833

TITLE: Clonal modulation of experimental allergic encephalomyelitis by a monoclonal antibody directed to the T-cell receptor.

AUTHOR: **Heber-Katz E**; Owhashi M; Happ M P; Burns F; Shen N; Li X

CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.

SOURCE: ANNUALS OF THE NEW YORK ACADEMY OF SCIENCES, (1988) 540 576-7.

PUB. COUNTRY: Journal code: 7506858. ISSN: 0077-8923.

DOCUMENT TYPE: United States

LANGUAGE: Journal; Article; (JOURNAL ARTICLE)

FILE SEGMENT: English

ENTRY MONTH: Priority Journals

ENTRY DATE: 198902

Entered STN: 19900306

Last Updated on STN: 20000303

Entered Medline: 19890208

L5 ANSWER 41 OF 124 MEDLINE

ACCESSION NUMBER: 89080488 MEDLINE

DOCUMENT NUMBER: 89080488 PubMed ID: 2462609

TITLE: Both rat and mouse T cell receptors specific for the encephalitogenic determinant of myelin basic protein use

similar V alpha and V beta chain genes even though the major histocompatibility complex and encephalitogenic determinants being recognized are different.  
Burns F R; Li X B; Shen N; Offner H; Chou Y K; Vandenbark

AUTHOR: A  
CORPORATE SOURCE: A; **Heber-Katz E**  
CONTRACT NUMBER: Wistar Institute of Anatomy and Biology, Philadelphia,  
NS-11036 (NINDS) Pennsylvania 19104.  
NS-23221 (NINDS)  
NS-23444 (NINDS)  
+  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1989 Jan 1) 169 (1)  
27-39.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-Y00803  
ENTRY MONTH: 198902  
ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 19970203  
Entered Medline: 19890209

L5 ANSWER 42 OF 124 MEDLINE  
ACCESSION NUMBER: 89067823 MEDLINE  
DOCUMENT NUMBER: 89067823 PubMed ID: 2462007  
TITLE: Protection from experimental allergic encephalomyelitis  
conferred by a monoclonal antibody directed against a  
shared idiotype on rat T cell receptors specific for  
myelin basic protein.  
AUTHOR: Owhashi M; **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia,  
Pennsylvania 19104.  
CONTRACT NUMBER: NS-11036 (NINDS)  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Dec 1) 168 (6)  
2153-64.  
Journal code: 2985109P. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198901  
ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 20000303  
Entered Medline: 19890117

L5 ANSWER 43 OF 124 MEDLINE  
ACCESSION NUMBER: 89057143 MEDLINE  
DOCUMENT NUMBER: 89057143 PubMed ID: 3143077  
TITLE: Antigen presenting function of class II MHC expressing  
pancreatic beta cells.  
AUTHOR: Markmann J; Lo D; Maji A; Palmiter R D; Brinster R L;  
**Heber-Katz E**  
CORPORATE SOURCE: Department of Surgery, School of Medicine, University of  
Pennsylvania, Philadelphia 19104.  
SOURCE: NATURE, (1988 Dec 1) 336 (6198) 476-9.  
Journal code: 0410462. ISSN: 0028-0836.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198901  
ENTRY DATE: Entered STN: 19900306

L5 ANSWER 44 OF 124 MEDLINE  
ACCESSION NUMBER: 88315748 MEDLINE  
DOCUMENT NUMBER: 88315748 PubMed ID: 2457618  
TITLE: Genetic control of the development of experimental  
allergic encephalomyelitis in rats. Separation of MHC and non-MHC  
gene effects.  
AUTHOR: Happ M P; Wettstein P; Dietzschold B; **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA  
19104.  
CONTRACT NUMBER: NS-11036 (NINDS)  
SOURCE: JOURNAL OF IMMUNOLOGY, (1988 Sep 1) 141 (5) 1489-94.  
Journal code: 2985117F. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 198809  
ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 20000303  
Entered Medline: 19880926

L5 ANSWER 45 OF 124 MEDLINE  
ACCESSION NUMBER: 88315332 MEDLINE  
DOCUMENT NUMBER: 88315332 PubMed ID: 2457602  
TITLE: The autoreactive T cell population in experimental  
allergic encephalomyelitis: T cell receptor beta-chain  
rearrangements.  
AUTHOR: Happ M P; Kiraly A S; Offner H; Vandenbark A;  
**Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.  
CONTRACT NUMBER: NS-11036 (NINDS)  
NS-23221 (NINDS)  
NS-23444 (NINDS)  
SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (1988 Sep) 19 (3) 191-204.  
Journal code: 8109498. ISSN: 0165-5728.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198810  
ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 20000303  
Entered Medline: 19881003

L5 ANSWER 46 OF 124 MEDLINE  
ACCESSION NUMBER: 88284726 MEDLINE  
DOCUMENT NUMBER: 88284726 PubMed ID: 3260890  
TITLE: A simple technique to distinguish rat from mouse  
chromosomes in T cell hybridomas.  
AUTHOR: Simon D; Valentine S; **Heber-Katz E**; Knowles B B  
CORPORATE SOURCE: Albert Einstein Medical Center, Department of Obstetrics  
and Gynecology, Philadelphia, PA 19141.  
CONTRACT NUMBER: CA 10815 (NCI)  
CA 18470 (NCI)  
SOURCE: HYBRIDOMA, (1988 Jun) 7 (3) 301-7.  
Journal code: 8202424. ISSN: 0272-457X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198809

ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 19970203  
Entered Medline: 19880902

L5 ANSWER 47 OF 124 MEDLINE  
ACCESSION NUMBER: 88154740 MEDLINE  
DOCUMENT NUMBER: 88154740 PubMed ID: 2450161  
TITLE: Differences in the repertoire of the Lewis rat T cell response to self and non-self myelin basic proteins.  
AUTHOR: Happ M P; **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104.  
CONTRACT NUMBER: NS-11036 (NINDS)  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Feb 1) 167 (2) 502-13.  
PUB. COUNTRY: Journal code: 2985109F. ISSN: 0022-1007.  
DOCUMENT TYPE: United States  
LANGUAGE: Journal; Article; (JOURNAL ARTICLE)  
FILE SEGMENT: English  
ENTRY MONTH: Priority Journals  
ENTRY DATE: 198804  
Entered STN: 19900308  
Last Updated on STN: 20000303  
Entered Medline: 19880413

L5 ANSWER 48 OF 124 MEDLINE  
ACCESSION NUMBER: 88154724 MEDLINE  
DOCUMENT NUMBER: 88154724 PubMed ID: 2450157  
TITLE: Overlapping T cell antigenic sites on a synthetic peptide fragment from herpes simplex virus glycoprotein D, the degenerate MHC restriction elicited, and functional evidence for antigen-Ia interaction.  
AUTHOR: **Heber-Katz E**; Valentine S; Dietzschold B;  
Burns-Purzycki C  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, Pennsylvania 19104.  
CONTRACT NUMBER: AI-22528 (NIAID)  
NS-11036 (NINDS)  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1988 Feb 1) 167 (2) 275-87.  
Journal code: 2985109F. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198804  
ENTRY DATE: Entered STN: 19900308  
Last Updated on STN: 19970203  
Entered Medline: 19880413

L5 ANSWER 49 OF 124 MEDLINE  
ACCESSION NUMBER: 88097448 MEDLINE  
DOCUMENT NUMBER: 88097448 PubMed ID: 3480536  
TITLE: Induction of protective immunity against rabies by immunization with rabies virus ribonucleoprotein.  
AUTHOR: Dietzschold B; Wang H H; Rupprecht C E; Celis E; Tollis M;  
Ertl H; **Heber-Katz E**; Koprowski H  
CORPORATE SOURCE: Wistar Institute of Anatomy and Biology, Philadelphia, PA 19104.  
CONTRACT NUMBER: AI-09706-16 (NIAID)  
AI-22528 (NIAID)  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1987 Dec) 84 (24) 9165-9.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English

FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198802  
ENTRY DATE: Entered STN: 19900305  
Last Updated on STN: 19970103  
Entered Medline: 19880220

L5 ANSWER 50 OF 124 MEDLINE  
ACCESSION NUMBER: 87139800 MEDLINE  
DOCUMENT NUMBER: 87139800 PubMed ID: 3029270  
TITLE: A synthetic peptide induces long-term protection from  
lethal infection with herpes simplex virus 2.  
AUTHOR: Watari E; Dietzschold B; Szckan G; **Heber-Katz E**  
CONTRACT NUMBER: AI-22528 (NIAID)  
NS-11036 (NINDS)  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1987 Feb 1) 165 (2)  
459-70.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198704  
ENTRY DATE: Entered STN: 19900303  
Last Updated on STN: 19970203  
Entered Medline: 19870413

L5 ANSWER 51 OF 124 MEDLINE  
ACCESSION NUMBER: 87052544 MEDLINE  
DOCUMENT NUMBER: 87052544 PubMed ID: 3022991  
TITLE: Immune response to synthetic herpes simplex virus  
peptides: the feasibility of a synthetic vaccine.  
AUTHOR: **Heber-Katz E**; Dietzschold B  
SOURCE: CURRENT TOPICS IN MICROBIOLOGY AND IMMUNOLOGY, (1986) 130  
51-64.  
Journal code: 0110513. ISSN: 0070-217X.  
PUB. COUNTRY: GERMANY, WEST: Germany, Federal Republic of  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198701  
ENTRY DATE: Entered STN: 19900302  
Last Updated on STN: 19900302  
Entered Medline: 19870112

L5 ANSWER 52 OF 124 MEDLINE  
ACCESSION NUMBER: 86185671 MEDLINE  
DOCUMENT NUMBER: 86185671 PubMed ID: 6336258  
TITLE: Considerations in the design of a peptide antigen specific  
for T cells.  
AUTHOR: **Heber-Katz E**; Hollcs M; Hudecz F; Fasman G;  
Dietzschold B  
CONTRACT NUMBER: AI-09706 (NIAID)  
NS-11036 (NINDS)  
SOURCE: ANNALI SCLAVO. COLLANA MONOGRAFICA, (1984) 1 (2) 119-28.  
Journal code: 8701688. ISSN: 0003-472X.  
PUB. COUNTRY: Italy  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198605  
ENTRY DATE: Entered STN: 19900321  
Last Updated on STN: 19970203  
Entered Medline: 19860509

L5 ANSWER 53 OF 124 MEDLINE

ACCESSION NUMBER: 86081728 MEDLINE  
DOCUMENT NUMBER: 86081728 PubMed ID: 3935430  
TITLE: Tissue-specific, inducible and functional expression of  
the E alpha d MHC class II gene in transgenic mice.  
AUTHOR: Pinkert C A; Widera G; Cowing C; **Heber-Katz E**;  
Palmiter R D; Flavell R A; Brinster R L  
CONTRACT NUMBER: AI-16044 (NIAID)  
HD-09172 (NICHD)  
HD-17321 (NICHD)  
+  
SOURCE: EMBO JOURNAL, (1985 Sep) 4 (9) 2225-30.  
Journal code: 8208664. ISSN: 0261-4189.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198602  
ENTRY DATE: Entered STN: 19900321  
Last Updated on STN: 19970203  
Entered Medline: 19860207

L5 ANSWER 54 OF 124 MEDLINE  
ACCESSION NUMBER: 85235581 MEDLINE  
DOCUMENT NUMBER: 85235581 PubMed ID: 2409148  
TITLE: The T cell response to the glycoprotein D of the herpes  
simplex virus: the significance of antigen conformation.  
AUTHOR: **Heber-Katz E**; Hollosi M; Lietzschold B; Hudecz F;  
Fasman G D  
CONTRACT NUMBER: AI-09706 (NIAID)  
NS-11036 (NINDS)  
SOURCE: JOURNAL OF IMMUNOLOGY, (1985 Aug) 135 (2) 1385-90.  
Journal code: 2985117R. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 198508  
ENTRY DATE: Entered STN: 19900320  
Last Updated on STN: 19970203  
Entered Medline: 19850819

L5 ANSWER 55 OF 124 MEDLINE  
ACCESSION NUMBER: 85113230 MEDLINE  
DOCUMENT NUMBER: 85113230 PubMed ID: 2578667  
TITLE: Rearrangement and transcription of a T-cell receptor  
beta-chain gene in different T-cell subsets.  
AUTHOR: Hedrick S M; Germain R N; Bevan M J; Dorf M; Engel I; Fink  
P; Gascoigne N; **Heber-Katz E**; Kapp J; Kaufmann Y;  
+  
CONTRACT NUMBER: AI-15353 (NIAID)  
AI-20320 (NIAID)  
AI-21372 (NIAID)  
+  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE  
UNITED STATES OF AMERICA, (1985 Jan) 82 (2) 531-5.  
Journal code: 7505876. ISSN: 0027-8424.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198503  
ENTRY DATE: Entered STN: 19900320  
Last Updated on STN: 19970203  
Entered Medline: 19850301

L5 ANSWER 56 OF 124 MEDLINE  
ACCESSION NUMBER: 83240461 MEDLINE  
DOCUMENT NUMBER: 83240461 PubMed ID: 6190979  
TITLE: Major histocompatibility complex-controlled,  
antigen-presenting cell-expressed specificity of T cell  
antigen recognition. Identification of a site of  
interaction and its relationship to Ir genes.  
Hansburg D; **Heber-Katz E**; Fairwell T; Appella E  
JOURNAL OF EXPERIMENTAL MEDICINE, (1983 Jul 1) 158 (1)  
25-39.  
Journal code: 2985109R. ISSN: 0022-1007.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198308  
ENTRY DATE: Entered STN: 19900319  
Last Updated on STN: 19900319  
Entered Medline: 19830826

L5 ANSWER 57 OF 124 MEDLINE  
ACCESSION NUMBER: 83025072 MEDLINE  
DOCUMENT NUMBER: 83025072 PubMed ID: 6181895  
TITLE: The fine specificity of antigen and Ia determinant  
recognition by T cell hybridoma clones specific for pigeon  
cytochrome c.  
Hedrick S M; Matis L A; Hecht T T; Samelson L E; Longo D

AUTHOR: **Heber-Katz E**; Schwartz R H  
L:  
SOURCE: **Heber-Katz E**; Schwartz R H  
CELL, (1982 Aug) 30 (1) 141-52.  
Journal code: 0413066. ISSN: 0092-8674.  
United States  
Journal; Article; (JOURNAL ARTICLE)  
Language: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198212  
ENTRY DATE: Entered STN: 19900317  
Last Updated on STN: 19900317  
Entered Medline: 19821218

L5 ANSWER 58 OF 124 MEDLINE  
ACCESSION NUMBER: 82234876 MEDLINE  
DOCUMENT NUMBER: 82234876 PubMed ID: 6178555  
TITLE: The effect of antigen presentation on the fine specificity  
of anti-cytochrome c T cell hybridomas.  
**Heber-Katz E**; Hansburg D; Schwartz R H  
CURRENT TOPICS IN MICROBIOLOGY AND IMMUNOLOGY, (1982) 100  
117-24.  
Journal code: 0110513. ISSN: 0070-217X.  
GERMANY, WEST: Germany, Federal Republic of  
Journal; Article; (JOURNAL ARTICLE)  
Language: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198209  
ENTRY DATE: Entered STN: 19900317  
Last Updated on STN: 19900317  
Entered Medline: 19820924

L5 ANSWER 59 OF 124 MEDLINE  
ACCESSION NUMBER: 82144285 MEDLINE  
DOCUMENT NUMBER: 82144285 PubMed ID: 6174670  
TITLE: Contribution of antigen-presenting cell major  
histocompatibility complex gene products to the  
specificity of antigen-induced T cell activation.  
Heber-Katz E; Schwartz R H; Matis L A; Hannum C;

AUTHOR:

CONTRACT NUMBER: Fairwell T; Appella E; Hansburg D  
SOURCE: AI-10001 (NIAID)  
JOURNAL OF EXPERIMENTAL MEDICINE, (1982 Apr 1) 155 (4)  
1086-99.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198205  
ENTRY DATE: Entered STN: 19900317  
Last Updated on STN: 19970203  
Entered Medline: 19820521

L5 ANSWER 60 OF 124 MEDLINE  
ACCESSION NUMBER: 82143853 MEDLINE  
DOCUMENT NUMBER: 82143853 PubMed ID: 7199547  
TITLE: Use of a solid-phase <sup>3</sup>H-radioimmunoassay for the  
measurement of immunoglobulin produced in short-term  
cultures of antibody-secreting cells.  
AUTHOR: Mongini P K; **Heber-Katz E**  
SOURCE: JOURNAL OF IMMUNOLOGICAL METHODS, (1982) 49 (1) 39-52.  
Journal code: 1305440. ISSN: 0022-1759.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198205  
ENTRY DATE: Entered STN: 19900317  
Last Updated on STN: 19970203  
Entered Medline: 19820521

L5 ANSWER 61 OF 124 MEDLINE  
ACCESSION NUMBER: 81241325 MEDLINE  
DOCUMENT NUMBER: 81241325 PubMed ID: 7252415  
TITLE: Idiotype-anti-idiotype regulation. I. Immunization with a  
levan-binding myeloma protein leads to the appearance of  
auto-anti-(anti-idiotype) antibodies and to the activation  
of silent clones.  
AUTHOR: Bona C A; **Heber-Katz E**; Paul W E  
SOURCE: JOURNAL OF EXPERIMENTAL MEDICINE, (1981 Apr 1) 153 (4)  
951-67.  
Journal code: 2985109R. ISSN: 0022-1007.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 198109  
ENTRY DATE: Entered STN: 19900316  
Last Updated on STN: 19900316  
Entered Medline: 19810922

L5 ANSWER 62 OF 124 MEDLINE  
ACCESSION NUMBER: 80138598 MEDLINE  
DOCUMENT NUMBER: 80138598 PubMed ID: 6965694  
TITLE: TNP-coupled membranes stimulate T cell proliferation via  
the macrophage.  
AUTHOR: **Heber-Katz E**; Shevach E M  
SOURCE: JOURNAL OF IMMUNOLOGY, (1980 Mar) 124 (3) 1503-5.  
Journal code: 2985117F. ISSN: 0022-1767.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 198005  
ENTRY DATE: Entered STN: 19900315

L5 ANSWER 63 OF 124 MEDLINE  
ACCESSION NUMBER: 77244971 MEDLINE  
DOCUMENT NUMBER: 77244971 PubMed ID: 70304  
TITLE: On the possibility of multiple t-cell receptors.  
AUTHOR: Wilson D B; **Heber-Katz E**; Sprent J; Howard J C  
SOURCE: COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY,  
(1977) 41 Pt 2 559-61.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 197710  
ENTRY DATE: Entered STN: 19900314  
Last Updated on STN: 19900314  
Entered Medline: 19771020

L5 ANSWER 64 OF 124 MEDLINE  
ACCESSION NUMBER: 76121749 MEDLINE  
DOCUMENT NUMBER: 76121749 PubMed ID: 55462  
TITLE: Sheep red blood cell-specific helper activity in rat  
thoracic duct lymphocyte populations positively selected  
for reactivity to specific strong histocompatibility  
alloantigens.  
**Heber-Katz E**; Wilson D B

JOURNAL OF EXPERIMENTAL MEDICINE, (1976 Mar 1) 143 (3)  
701-6.  
Journal code: 2985109R. ISSN: 0022-1007.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 197604  
ENTRY DATE: Entered STN: 19900313  
Last Updated on STN: 19950206  
Entered Medline: 19760427

L5 ANSWER 65 OF 124 MEDLINE  
ACCESSION NUMBER: 76047307 MEDLINE  
DOCUMENT NUMBER: 76047307 PubMed ID: 52686  
TITLE: Collaboration of allogeneic T and B lymphocytes in the  
primary antibody response to sheep erythrocytes in vitro.  
**Heber-Katz E**; Wilson D B

JOURNAL OF EXPERIMENTAL MEDICINE, (1975 Oct 1) 142 (4)  
928-35.  
Journal code: 2985109R. ISSN: 0022-1007.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 197601  
ENTRY DATE: Entered STN: 19900313  
Last Updated on STN: 19900313  
Entered Medline: 19760117

L5 ANSWER 66 OF 124 MEDLINE  
ACCESSION NUMBER: 73072930 MEDLINE  
DOCUMENT NUMBER: 73072930 PubMed ID: 4645593  
TITLE: Immune responses in vitro. V. Role of mercaptoethanol in  
the mixed-leukocyte reaction.  
**Heber-Katz E**; Click R E

CELLULAR IMMUNOLOGY, (1972 Nov) 5 (3) 410-8.

Journal code: 1245405. ISSN: 0008-8749.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article: (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 197303  
ENTRY DATE: Entered STN: 19900310  
Last Updated on STN: 19970203  
Entered Medline: 19730305

L5 ANSWER 67 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2000:657435 CAPLUS  
DOCUMENT NUMBER: 134:206240  
TITLE: Experimental autoimmune meningitis as a model for activation and differentiation of pathogenic T cells  
AUTHOR(S): Perrin, Peter J.; Phillips, S. Michael; Rumbley, Catherine A.; Clark, Lise; **Heber-Katz, Ellen**  
CORPORATE SOURCE: Department of Medicine, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104, USA  
SOURCE: Recent Research Developments in Immunology (1999), 1(Pt. 1), 197-207  
CODEN: RRDIB8  
PUBLISHER: Research Signpost  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English  
REFERENCE COUNT: 74 THERE ARE 74 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L5 ANSWER 68 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1999:529246 CAPLUS  
DOCUMENT NUMBER: 131:168353  
TITLE: Identification of loci involved in accelerated wound healing and the development of new wound healing promoters  
INVENTOR(S): **Heber-Katz, Ellen**  
PATENT ASSIGNEE(S): The Wistar Institute, USA  
SOURCE: PCT Int. Appl., 136 pp.  
CODEN: PIKKI2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9941364	A2	19990819	WO 1999-US2962	19990212
WO 9941364	A3	19991223		
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MK, NO, NZ, PL, PT, RC, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2319700	AA	19990819	CA 1999-2319700	19990212
AU 9926720	A1	19990830	AU 1999-26720	19990212
EP 1053309	A1	20001122	EP 1999-906924	19990212
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
JP 2002503460	T2	20020205	JP 2000-531545	19990212
PRIORITY APPLN. INFO.:			US 1998-74737P	A2 19980213
			US 1998-97937P	A2 19980826

L5 ANSWER 69 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1995:632530 CAPLUS  
DOCUMENT NUMBER: 123:53671  
TITLE: Antigen presentation of self antigens  
AUTHOR(S): Paterson, Yvonne; **Heber-Katz, Ellen**  
CORPORATE SOURCE: Dep. Microbiology, Univ. Pennsylvania, Philadelphia,  
PA, 19104, USA  
SOURCE: Molecular Pathology of Autoimmune Diseases (1993),  
83-99. Editor(s): Bona, Constantin A.; et al.  
Harwood: Char, Switz.

DOCUMENT TYPE: CODEN: 61FBAP  
LANGUAGE: Conference; General Review  
English

L5 ANSWER 70 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1995:551311 CAPLUS  
DOCUMENT NUMBER: 123:7326  
TITLE: B- and T-cell epitope analysis in infectious  
diseases.

AUTHOR(S): T-cell epitopes in herpes simplex virus 1 (HSV-1)  
CORPORATE SOURCE: glycoprotein D (gD)  
SOURCE: **Heber-Katz, Ellen**; Yamashita, Keizo  
169-72. Wistar Institute, Philadelphia, PA, USA  
Synth. Pept. Search B- T-Cell Epitopes (1994),

DOCUMENT TYPE: Editor(s): Rajnavolgyi, Eva. Landes: Austin, Tex.  
LANGUAGE: CODEN: 61ETAO  
Conference; General Review

L5 ANSWER 71 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1995:551308 CAPLUS  
DOCUMENT NUMBER: 123:7324  
TITLE: Synthetic peptides as T-cell epitopes. An alternative  
view for the topographical orientation of the T-cell  
receptor to the MHC-antigen complex  
AUTHOR(S): Tang, Xao X.; Ikegaki, Naohiko; **Heber-Katz, Ellen**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA, USA  
SOURCE: Synth. Pept. Search B- T-Cell Epitopes (1994),  
119-40. Editor(s): Rajnavolgyi, Eva. Landes: Austin, Tex.  
CODEN: 61ETAO  
Conference; General Review

DOCUMENT TYPE: English

L5 ANSWER 72 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1994:189262 CAPLUS  
DOCUMENT NUMBER: 120:189262  
TITLE: Nucleotide sequences of three new members of the  
mouse

AUTHOR(S): V.alpha.2 gene family  
CORPORATE SOURCE: Tang, X. X.; Ikegaki, N.; **Heber-Katz, E.**  
SOURCE: Immunol. Grad. Group, Univ. Pennsylvania,  
Philadelphia, PA, 19140, USA  
Journal of Molecular Immunology (1994), 31(1), 79-82  
CODEN: MOIMD5; ISSN: 0161-5890  
DOCUMENT TYPE: English

L5 ANSWER 73 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1993:624042 CAPLUS  
DOCUMENT NUMBER: 119:224042

TITLE:  
suggestsAUTHOR(S):  
CORPORATE SOURCE:  
SOURCE:DOCUMENT TYPE:  
LANGUAGE:

L5 ANSWER 74 OF 124

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

AUTHOR(S):

CORPORATE SOURCE:

SOURCE:  
theDOCUMENT TYPE:  
LANGUAGE:

L5 ANSWER 75 OF 124

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

AUTHOR(S):

CORPORATE SOURCE:  
SOURCE:DOCUMENT TYPE:  
LANGUAGE:

L5 ANSWER 76 OF 124

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

AUTHOR(S):

CORPORATE SOURCE:  
SOURCE:DOCUMENT TYPE:  
LANGUAGE:

L5 ANSWER 77 OF 124

ACCESSION NUMBER:

DOCUMENT NUMBER:

TITLE:

disease

AUTHOR(S):

CORPORATE SOURCE:  
SOURCE:DOCUMENT TYPE:  
LANGUAGE:it is probably wrong. Reply to comments  
**Heber-Katz, Ellen**; Acha-Orbea, Hans  
Wistar Inst., Philadelphia, PA, 19104, USA  
Immunology Today (1993), 14(8), 380-2  
CODEN: IMTOD8; ISSN: 0167-4919Journal  
EnglishCAPLUS COPYRIGHT 2002 ACS  
1993:446807 CAPLUS

119:46807

In vivo expression of inducible nitric oxide synthase  
in experimentally induced neurologic diseases:  
[Erratum to document cited in CA118(25):252591e]  
[Erratum to document cited in CA118(25):252591e]  
Koprowski, Hilary; Zheng, Yong Mu; **Heber-Katz, Ellen**; Fraser, Nigel; Rorke, Lucy; Fu, Zhen Fang; Hanlon, Cathleen; Dietzschold, Bernhard  
Cent. Neurovirol., Thomas Jefferson Univ., Philadelphia, PA, 19107, USA  
Proceedings of the National Academy of Sciences ofUnited States of America (1993), 90(11), 5378  
CODEN: PNASA6; ISSN: 0027-8424Journal  
EnglishCAPLUS COPYRIGHT 2002 ACS  
1993:210856 CAPLUS

118:210856

The autoreactive T cell receptor: Structure and  
biological activity**Heber-Katz, Ellen**  
Wistar Inst., Philadelphia, PA, 19104, USA  
NATO ASI Series, Series A: Life Sciences (1992),  
233(T Lymphocytes), 145-51  
CODEN: NALSDJ; ISSN: 0253-1213Journal: General Review  
EnglishCAPLUS COPYRIGHT 2002 ACS  
1993:78751 CAPLUS

118:78751

Peptides as molecular probes of immune responses  
**Heber-Katz, Ellen**; Ertl, Hildegund C. J.  
Wistar Inst., Philadelphia, PA, 19104, USA  
Biomedical Applications of Biotechnology (1993),  
1(Biol. Act. Pept.), 269-87  
CODEN: BAPBER; ISSN: 1068-7408  
Journal: General Review

English

CAPLUS COPYRIGHT 2002 ACS  
1992:424334 CAPLUS

117:24334

The autoimmune T-cell receptor in experimental

**Heber-Katz, Ellen**  
Wistar Inst., Philadelphia, PA, USA  
Immunology Series (1992), 55(Mol. Immunobiol.  
Self-React.), 155-69  
CODEN: IMSED7; ISSN: 0092-6019  
Journal: General Review  
English

L5 ANSWER 78 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1990:629471 CAPLUS  
DOCUMENT NUMBER: 113:229471  
TITLE: A transgenic model for tissue specific antigens:  
tolerance and clonal anergy  
AUTHOR(S): Lo, David; Burkly, Linda; Markmann, James;  
Heber-Katz, Ellen; Naji, Ali; Flavell,  
Richard; Palmiter, Richard; Brinster, Ralph L.  
CORPORATE SOURCE: Sch. Vet. Med., Univ. Pennsylvania, Philadelphia, PA,  
19104, USA  
SOURCE: UCLA Symp. Mol. Cell. Biol., New Ser. (1990),  
113(Immunogenicity), 187-94  
CCDEN: USMBD-5; ISSN: 0735-9543  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L5 ANSWER 79 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1990:550117 CAPLUS  
DOCUMENT NUMBER: 113:150117  
TITLE: Synthetic branched polypeptides as carriers for  
low-molecular-weight antigens: correlation between  
chemical structure and biological functions  
AUTHOR(S): Rajnavolgyi, E.; Hudecz, F.; Mezo, G.; Watari, E.;  
Heber-Katz, E.; Gaal, D.; Kurucz, I.;  
CORPORATE SOURCE: Szekerke, M.; Gergely, J.  
SOURCE: Dep. Immunol., L. Eotvos Univ., God, H-2131, Hung.  
Chim. Oggi (1990), 8(4), 21-8  
CODEN: CHOGDS; ISSN: 0392-839X  
DOCUMENT TYPE: Journal; General Review  
LANGUAGE: English

L5 ANSWER 80 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1989:21980 CAPLUS  
DOCUMENT NUMBER: 110:21980  
TITLE: Pathways to presentation  
AUTHOR(S): Heber-Katz, Ellen; Watari, Eiji;  
Dietzschold, Bernhard  
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA, 19103, USA  
SOURCE: Process. Presentation Antigens (1988), 133-41.  
Editor(s): Pernis, Benvenuto; Silverstein, Samuel C.;  
Vogel, Henry J. Academic: San Diego, Calif.  
CODEN: 56HSAQ  
DOCUMENT TYPE: Conference  
LANGUAGE: English

L5 ANSWER 81 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1987:483883 CAFLUS  
DOCUMENT NUMBER: 107:83883  
TITLE: Vaccine for generating an immunogenic T cell response  
protective against a virus  
INVENTOR(S): Heber-Katz, Ellen  
PATENT ASSIGNEE(S): Wistar Institute, USA  
SOURCE: Eur. Pat. Appl., 23 pp.  
CODEN: EPKKDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 203676	A2	19861203	EP 1986-301223	19860220
EP 203676	A3	19880302		
EP 203676	B1	19920129		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE AT 72123	E	19920215	AT 1986-301223	19860220

CA 1265054 A1 19900130 CA 1986-506804 19860416  
EP 290246 A2 19831109 EP 1983-304045 19880505  
EP 290246 A3 19900131 R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE  
US 5837249 A 19981117 US 1993-139609 19931020  
PRIORITY APPLN. INFO.: US 1985-725087 19850419  
US 1986-301223 19860220  
US 1987-47443 19870508  
US 1991-685459 19910412  
US 1992-66946 19920415

L5 ANSWER 82 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1985:22683 CAPLUS  
DOCUMENT NUMBER: 102:22683  
TITLE: Characterization of the murine TH response to  
influenza virus hemagglutinin: evidence for three  
major specificities  
AUTHOR(S): Hurwitz, Julia L.; **Heber-Katz, Ellen**;  
Hackett, Charles J.; Gerhard, Walter  
Wistar Inst. Anat. Biol., Philadelphia, PA, 19104,  
CORPORATE SOURCE: J. Immunol. (1984), 133(6), 3371-7  
USA SOURCE: CODEN: JOIMA3; ISSN: 0022-1767  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L5 ANSWER 83 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1984:83838 CAPLUS  
DOCUMENT NUMBER: 100:83838  
TITLE: The Ia molecule contributes to the specificity of T  
cell activation  
AUTHOR(S): Schwartz, R. H.; **Heber-Katz, E.**; Hansburg,  
D.  
CORPORATE SOURCE: Lab. Immunol., Natl. Inst. Allergy Infect. Dis.,  
Bethesda, MD, 20205, USA  
SOURCE: Intercell. Commun. Leucocyte Funct., Proc. Int.  
Leucocyte Cult. Conf., 15th (1983), Meeting Date  
1982, 117-25. Editor(s): Parker, John W.; O'Brien, Richard  
L. Wiley: Chichester, UK.  
DOCUMENT TYPE: CODEN: 5QUFAC  
LANGUAGE: Conference  
English

L5 ANSWER 84 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1983:556640 CAPLUS  
DOCUMENT NUMBER: 99:156640  
TITLE: The effect of antigen and Ia molecule interaction on  
immune response gene control  
AUTHOR(S): **Heber-Katz, Ellen**; Schwartz, Ronald H.  
CORPORATE SOURCE: Lab. Immunol., NIH, Bethesda, MD, 20205, USA  
SOURCE: Meeting Ir Genes, [Ir Gene Workshop], 5th (1983), Meeting  
1982, 295-304. Editor(s): Pierce, Carl W. Humana:  
Clifton, N. J.  
DOCUMENT TYPE: CODEN: 5OHZA7  
LANGUAGE: Conference  
English

L5 ANSWER 85 OF 124 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1982:560753 CAPLUS  
DOCUMENT NUMBER: 97:160753  
TITLE: I region-restricted antigen presentation by B cell-B  
lymphoma hybridomas  
AUTHOR(S): Glimcher, L. H.; Hamano, T.; Asofsky, R.;  
**Heber-Katz, E.**; Hedrick, S.; Schwartz, R. H.

CORPORATE SOURCE: Paul, W. E.  
Lab. Immunol., Natl. Inst. Allergy Infect. Dis.,  
Bethesda, MD, 20205, USA  
Nature (London) (1982), 298(5871), 283-4  
CCDEN: NATUAS; ISSN: 0028-0836

SOURCE: Journal  
DOCUMENT TYPE: English  
LANGUAGE:

L5 ANSWER 86 OF 124 LIFESCI COPYRIGHT 2002 CSA  
ACCESSION NUMBER: 88:74709 LIFESCI  
TITLE: The autoreactive T cell population in experimental  
allergic encephalomyelitis: T cell receptor beta -chain  
rearrangements.  
AUTHOR: Happ, M.P.; Kiraly, A.S.; Offner, H.; Vandenbark, A.;  
**Heber-Katz, E.**  
CORPORATE SOURCE: Wistar Inst., 36th St. at Spruce, Philadelphia, PA 19104,  
USA  
SOURCE: J. NEUROIMMUNOL., (1988) vol. 19, no. 8, pp. 191-204.  
DOCUMENT TYPE: Journal  
FILE SEGMENT: F; N3  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L5 ANSWER 87 OF 124 LIFESCI COPYRIGHT 2002 CSA  
ACCESSION NUMBER: 88:25848 LIFESCI  
TITLE: Overlapping T cell antigenic sites on a synthetic peptide  
fragment from herpes simplex virus glycoprotein D, the  
degenerate MHC restriction elicited, and functional  
evidence for antigen-Ia interaction.  
AUTHOR: Heber-Katz, E.; Valentine, S.; Dietzschold, B.;  
Burns-Purzycki, C.  
CORPORATE SOURCE: Wistar Inst. Anat. and Biol., Philadelphia, PA 19104, USA  
SOURCE: J. EXP. MED., (1988) vol. 187, no. 2, pp. 275-287.  
DOCUMENT TYPE: Journal  
FILE SEGMENT: F; V  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L5 ANSWER 88 OF 124 LIFESCI COPYRIGHT 2002 CSA  
ACCESSION NUMBER: 88:6025 LIFESCI  
TITLE: Differences in the repertoire of the Lewis rat T cell  
response to self and non-self myelin basic proteins.  
AUTHOR: Happ, M.P.; **Heber-Katz, E.**  
CORPORATE SOURCE: Wistar Inst., Philadelphia, PA 19104, USA  
SOURCE: J. EXP. MED., (1988) vol. 187, no. 2, pp. 502-513.  
DOCUMENT TYPE: Journal  
FILE SEGMENT: F  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L5 ANSWER 89 OF 124 LIFESCI COPYRIGHT 2002 CSA  
ACCESSION NUMBER: 82:84090 LIFESCI  
TITLE: The effect of antigen presentation on the fine specificity  
of anti-cytochrome c T cell hybridomas.  
T CELL HYBRIDOMAS. A WORKSHOP AT THE BASEL INSTITUTE FOR  
IMMUNOLOGY.  
AUTHOR: Heber-Katz, E.; Hansburg, D.; Schwartz, R.H.; von  
Boehmer, H. [editor]; Haas, W. [editor]; Koehler, G.  
[editor]; Melchers, F. [editor]; Zeuthen, J. [editor];  
Buser-Boyd, S. [editor]  
CORPORATE SOURCE: Natl. Inst. Allergy and Infect. Dis., Natl. Inst. Health,  
Build. 10, Rm. 11D14, Bethesda, MD 20205, USA  
SOURCE: CURR. TOP. MICROBIOL. IMMUNOL., (1982) pp. 117-124.  
Meeting Info.: Workshop on T Cell Hybridomas: Sources of  
Specific Mediators in the Immune System. Basel

(Switzerland). 27-29 Jan 1982.  
ISBN: 3-540-11535-3.

DOCUMENT TYPE: Book  
TREATMENT CODE: Conference  
FILE SEGMENT: F  
LANGUAGE: English

L5 ANSWER 90 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 93226236 EMBASE  
DOCUMENT NUMBER: 1993226236  
TITLE: The V-region disease hypothesis: New evidence suggests it  
is probably wrong.  
AUTHOR: Wilson D.B.; Steinman L.; Gold D.P.; **Heber-Katz E.**  
; Acha-Orbea H.  
CORPORATE SOURCE: San Diego Regional Cancer Centr, 3099 Science Park  
Read, San  
Diego, CA 92121, United States  
SOURCE: Immunology Today, (1993) 14/8 (376-382).  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; (Short Survey)  
FILE SEGMENT: 005 General Pathology and Pathological Anatomy  
008 Neurology and Neurosurgery  
022 Human Genetics  
026 Immunology, Serology and Transplantation  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L5 ANSWER 91 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 93188749 EMBASE  
DOCUMENT NUMBER: 1993188749  
TITLE: Shared T-cell receptor gene usage in experimental allergic  
neuritis and encephalomyelitis [1].  
AUTHOR: Jung S.; Hartung H.-P.; Toyka K.V.; **Heber-Katz E.**  
CORPORATE SOURCE: Multiple Sclerosis Research Group, Department of  
Neurology,  
Neurology, Julius-Maximilians University, Wurzburg, Germany  
SOURCE: Annals of Neurology, (1993) 34/1 (113-114).  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Letter  
FILE SEGMENT: 008 Neurology and Neurosurgery  
026 Immunology, Serology and Transplantation  
029 Clinical Biochemistry  
LANGUAGE: English

L5 ANSWER 92 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 93183057 EMBASE  
DOCUMENT NUMBER: 1993183057  
TITLE: Erratum: In vivo expression of inducible nitric oxide  
synthase in experimentally induced neurologic diseases  
(Proceedings of the National Academy of Sciences of the  
United States of America (April 1, 1993) 90 (3024-  
3027)).  
AUTHOR: Koprowski H.; Tong Mu Zheng; **Heber-Katz E.**; Dietzschold  
Fraser N.; Forke L.; Zhen Fang Fu; Hanlon C.;  
SCUPCE: B.  
Proceedings of the National Academy of Sciences of the  
United States of America, (1993) 90/11 (5378).  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Errata  
FILE SEGMENT: 008 Neurology and Neurosurgery  
LANGUAGE: English

L5 ANSWER 93 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

ACCESSION NUMBER: 92231358 EMBASE  
DOCUMENT NUMBER: 1992231358  
TITLE: Observations, legends, and conjectures concerning  
restricted T-cell receptor usage and autoimmune disease.  
AUTHOR: Esch T.; Clark L.; Zhang X.-M.; Goldman S.; **Heber-Katz**  
CORPORATE SOURCE: E.  
Wistar Institute, 3601 Spruce Street, Philadelphia, PA  
19104, United States  
SOURCE: Critical Reviews in Immunology, (1991) 11/5 (249-264).  
ISSN: 1040-8401 CODEN: CCRIDE  
COUNTRY: United States  
DOCUMENT TYPE: Journal; General Review  
FILE SEGMENT: 005 General Pathology and Pathological Anatomy  
026 Immunology, Serology and Transplantation  
030 Pharmacology  
037 Drug Literature Index  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L5 ANSWER 94 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 91031747 EMBASE  
DOCUMENT NUMBER: 1991031747  
TITLE: Conserved T cell receptor V gene usage by uveitogenic T  
cells.  
AUTHOR: Gregerson D.S.; Fling S.P.; Merryman C.F.; Zhang X.; Li  
X.; **Heber-Katz** E.

CORPORATE SOURCE: Department of Ophthalmology, University of  
Minnesota, Minneapolis, MN 55455, United States  
SOURCE: Clinical Immunology and Immunopathology, (1990) 58/1  
(154-161).  
ISSN: 0090-1229 CODEN: CLIIAT  
COUNTRY: United States  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 005 General Pathology and Pathological Anatomy  
012 Ophthalmology  
022 Human Genetics  
025 Hematology  
026 Immunology, Serology and Transplantation  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L5 ANSWER 95 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 77040204 EMBASE  
DOCUMENT NUMBER: 1977040204  
TITLE: Sheep red blood cell specific helper activity in rat  
thoracic duct lymphocyte populations positively selected  
for reactivity to specific strong histocompatibility  
alloantigens.  
AUTHOR: **Heber Katz** E.; Wilson D.B.  
CORPORATE SOURCE: Immunobiol. Res. Unit, Dept. Pathol., Univ. Pennsylvania  
Sch. Med., Philadelphia, Pa. 19174, United States  
SOURCE: Journal of Experimental Medicine, (1976) 143/3 (701-706).  
CODEN: JEMEAV  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L5 ANSWER 96 OF 124 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 76148576 EMBASE  
DOCUMENT NUMBER: 1976148576  
TITLE: Collaboration of allogeneic T and B lymphocytes in the  
primary antibody response to sheep erythrocytes in vitro.  
AUTHOR: **Heber Katz** E.; Wilson D.B.  
CORPORATE SOURCE: Immunobiol. Res. Unit, Dept. Pathol., Univ. Pennsylvania  
Sch. Med., Philadelphia, Pa. 19174, United States  
SOURCE: Journal of Experimental Medicine, (1975) 142/4 (928-935).

CODEN: JEMEA  
DOCUMENT TYPE: Journal  
FILE SEGMENT: 026 Immunology, Serology and Transplantation  
025 Hematology  
LANGUAGE: English

L5 ANSWER 97 OF 124 USPATFULL  
ACCESSION NUMBER: 1998:143659 USPATFULL  
TITLE: Method for generating an immunogenic T cell response  
protective against a virus  
**Heber-Katz, Ellen**, Philadelphia, PA, United  
States  
Dietzschold, Bernhard, Newtown Square, PA, United  
States  
The Wistar Institute, Philadelphia, PA, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5837249		19981117
APPLICATION INFO.:	US 1993-139609		19931020 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-868946, filed on 15 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-685459, filed on 12 Apr 1991, now abandoned which is a continuation of Ser. No. US 1987-47443, filed on 8 May 1987, now abandoned which is a continuation-in-part of Ser. No. US 1985-725087, filed on 19 Apr 1985, now abandoned		

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Woodward, Michael P.  
LEGAL REPRESENTATIVE: Banner & Witcoff, Ltd.  
NUMBER OF CLAIMS: 21  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 9 Drawing Figure(s); 6 Drawing Page(s)  
LINE COUNT: 1114  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 98 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2001:44505 BIOSIS  
DOCUMENT NUMBER: PREV200100044505  
TITLE: T cell differentiation in complementary models of murine  
experimental autoimmune meningitis.  
Perrin, Peter J. (1); Phillips, S. Michael (1); Beswick,  
Richard L. (1); Rumbley, Catherine A. (1); Clark, Lise;  
Otvoz, Laszlo, Jr.; **Heber-Katz, Ellen**  
(1) University of Pennsylvania Medical School,  
Philadelphia, PA USA  
FASEB Journal, (April 20, 2000) Vol. 14, No. 6, pp. A997.  
print.

SOURCE: Meeting Info.: Joint Annual Meeting of the American  
Association of Immunologists and the Clinical Immunology  
Society Seattle, Washington, USA May 12-16, 2000  
ISSN: 0892-6638.

DOCUMENT TYPE: Conference  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L5 ANSWER 99 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1998:528946 BIOSIS  
DOCUMENT NUMBER: PREV199800528946  
TITLE: Tolerance induction in EAE with acylated peptides.  
St Louis, J. (1); Zhang, X.-M.; **Heber-Katz, E.**;  
Singh, B. (1); Strejan, G. H. (1)

CORPORATE SOURCE: (1) Univ. Western Ont., London, ON Canada  
SOURCE: Journal of Neuroimmunology, (Sept. 1, 1998) Vol. 90, No.

1, pp. 37.  
Meeting Info.: Fifth International Congress of the  
International Society of Neuroimmunology Montreal, Canada  
August 23-27, 1998 International Society of

Neuroimmunology

DOCUMENT TYPE: Conference  
LANGUAGE: English

L5 ANSWER 100 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1995:518964 BIOSIS

DOCUMENT NUMBER: PREV199598533264

TITLE: The relationship between human multiple sclerosis and  
rodent experimental allergic encephalomyelitis.

AUTHOR(S): **Heber-Katz, Ellen**  
CORPORATE SOURCE: Wistar Inst., 3601 Spruce St., Philadelphia, PA 19104 USA  
SOURCE: Davis, M. M. [Editor]; Buxbaum, J. [Editor]. Annals of the  
New York Academy of Sciences, (1995) Vol. 756, pp.

283-293. Annals of the New York Academy of Sciences; T-cell  
receptor

use in human autoimmune diseases.  
Publisher: New York Academy of Sciences 2 East 63rd

Street, New York, New York 10021, USA.  
Meeting Info.: Conference San Diego, California, USA April  
17-20, 1994  
ISSN: 0077-8923. ISBN: 0-89766-916-9 (paper),

0-89766-915-0 (cloth).

DOCUMENT TYPE: Book; Conference  
LANGUAGE: English

L5 ANSWER 101 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1994:459413 BIOSIS

DOCUMENT NUMBER: PREV199497472413  
TITLE: Is experimental allergic encephalomyelitis: A model of  
multiple sclerosis.

AUTHOR(S): **Heber-Katz, Ellen**  
CORPORATE SOURCE: Wistar Inst., 3601 Spruce Street, Philadelphia, PA 19104  
USA  
SOURCE: Coutinho, A. [Editor]; Kazatchkine, M. D. [Editor]. (1994)  
pp. 353-364. Autoimmunity: Physiology and disease.  
Publisher: Wiley-Liss, Inc. 605 Third Avenue, New York,

New York 10158-0012, USA.  
ISBN: 0-471-59227-7.

DOCUMENT TYPE: Book  
LANGUAGE: English

L5 ANSWER 102 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1993:334535 BIOSIS

DOCUMENT NUMBER: PREV199345029260

TITLE: Oral tolerance in experimental autoimmune

(EAE): T cell anergy.  
AUTHOR(S): Whitacre, Caroline (1); Gienapp, Ingrid; Cox, Karen;  
Jewell, Scott; Javed, Najima; Goldman, Shari;

COPPORATE SOURCE: **Heber-Katz, Ellen**  
SOURCE: (1) Ohio State University, Columbus, OH 43210 USA  
Journal of Immunology, (1993) Vol. 150, No. 8 PART 2, pp.  
245A.  
Meeting Info.: Joint Meeting of the American Association

of

Immunologists and the Clinical Immunology Society Denver,  
Colorado, USA May 21-25, 1993  
ISSN: 0022-1767.

DOCUMENT TYPE:

Conference

LANGUAGE:

English

L5 ANSWER 103 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1991:335695 BIOSIS

DOCUMENT NUMBER: BR41:30245

TITLE: INHIBITION OF EAE INDUCTION BY NONENCEPHALITOGENIC

CD4-NEGATIVE CD8-NEGATIVE V-ALPHA-2V-BETA-8.2-PLUS

ANTI-MYELIN BASIC PROTEIN RAT T CELL CLONE.

AUDER Q; EPPERSON D; ZHANG X; **HEBER-KATZ E**;

WEINER H L; MILLEP A

REHOVOT, ISRAEL.

CORPORATE SOURCE: 43RD ANNUAL MEETING OF THE AMERICAN ACADEMY OF NEUROLOGY,

SOURCE: BOSTON, MASSACHUSETTS, USA, APRIL 20-27, 1991. NEUROLOGY,

(1991) 41 (3 SUPPL 1), 317.

CODEN: NEUPAI. ISSN: 0028-3878.

DOCUMENT TYPE:

Conference

FILE SEGMENT:

BR; OLD

LANGUAGE:

English

L5 ANSWER 104 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1991:332129 BIOSIS

DOCUMENT NUMBER: BR41:28679

TITLE: NEUROANTIGEN-SPECIFIC IMMUNE TOLERANCE IN EXPERIMENTAL  
AUTOIMMUNE NEURITIS.

AUTHOR(S): GREGORIANI S K; **HEBER-KATZ E**; ROSTAMI A

CORPORATE SOURCE: DEP. NEUROL., IMMUNOL. GRADUATE GROUP, UNIV. PENNSYLVANIA,  
SCH. MED., PHILADELPHIA, PA. 19104.

SOURCE: 75TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN

SOCIETIES FOR EXPERIMENTAL BIOLOGY, ATLANTA, GEORGIA, USA, APRIL  
21-25, 1991. FASEB (FED AM SOC EXP BIOL) J, (1991) 5 (6),  
A1777.

CODEN: FAJOEC. ISSN: 0892-6638.

DOCUMENT TYPE:

Conference

FILE SEGMENT:

BR; OLD

LANGUAGE:

English

L5 ANSWER 105 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1991:196241 BIOSIS

DOCUMENT NUMBER: BR40:93521

TITLE: FURTHER STUDIES ON THE V-REGION DISEASE HYPOTHESIS.

AUTHOR(S): **HEBER-KATZ E**

CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
SOURCE: SYMPOSIUM ON SELF REACTIVITY AND ITS REGULATION HELD AT

THE 20TH ANNUAL MEETING OF THE KEYSTONE SYMPOSIA ON MOLECULAR  
AND CELLULAR BIOLOGY, KEYSTONE, COLORADO, USA, JANUARY  
17-24, 1991. J CELL BIOCHEM SUPPL, (1991) 0 (15 PART A),  
231.

CODEN: JCBSID7.

DOCUMENT TYPE:

Conference

FILE SEGMENT:

BR; OLD

LANGUAGE:

English

L5 ANSWER 106 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1990:436981 BIOSIS

DOCUMENT NUMBER: BR39:84842

TITLE: A NEW HIERARCHY OF TCR SPECIFICITY AUTOIMMUNE DISEASES ARE  
DEFINED BY PARTICULAR V-ALPHA-V-BETA COMBINATIONS AND NOT  
BY ANTIGEN SPECIFICITY.

AUTHOR(S): **HEBER-KATZ E**

CORPORATE SOURCE: WISTAR INST. ANAT. AND BIOL., PHILADELPHIA, PA. 19104.

SOURCE:

COLD SPRING HARBOR LABORATORY. COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, VOL. 54. NOS. 1 AND 2. IMMUNOLOGICAL RECOGNITION. XIX+603P. (NO. 1); XI+PAGINATION VARIES (NO. 2) COLD SPRING HARBOR LABORATORY PRESS: COLD SPRING HARBOR, NEW YORK, USA. ILLUS, (1989 (1990)) 0 (0), 875-878.  
CODEN: CSHSAE. ISSN: 0091-7451. ISBN: 0-87969-057-7 (CLOTH), 0-87969-058-5 (PAPER).

DOCUMENT TYPE:

Conference

FILE SEGMENT:

BR; OLD

LANGUAGE:

English

L5 ANSWER 107 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1990:324911 BIOSIS

DOCUMENT NUMBER: BR39:32247

TITLE: ORAL TOLERANCE IN EXPERIMENTAL AUTOIMMUNE

EAE A SEARCH FOR THE MBP-SPECIFIC T CELL RECEPTOR.

AUTHOR(S): WHITACRE C C; GIENAPP I E; ZHANG X; **HEBER-KATZ E**  
CORPORATE SOURCE: THE OHIO STATE UNIV. COLL. MED., COLUMBUS, OHIO 43210,

USA.

SOURCE: JOINT MEETING OF THE AMERICAN SOCIETY FOR BIOCHEMISTRY AND  
MOLECULAR BIOLOGY AND THE AMERICAN ASSOCIATION OF  
IMMUNOLOGISTS, NEW ORLEANS, LOUISIANA, USA, JUNE 4-7,

1990.

FASEB (FED AM SOC EXP BIOL) J, (1990) 4 (7), A1856.

CODEN: FAJOEC. ISSN: 0892-6638.

DOCUMENT TYPE:

Conference

FILE SEGMENT:

BR; OLD

LANGUAGE:

English

L5 ANSWER 108 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1989:234621 BIOSIS

DOCUMENT NUMBER: BR36:113105

TITLE: AG PRESENTATION BY TRANSGENIC IE-POSITIVE BETA CELLS.  
AUTHOR(S): MARKMANN J F; LO D; NAJI A; PALMITTER R; BRINSTER R;

**HEBER-KATZ E**

CORPORATE SOURCE: UNIV. PENNSYLVANIA, PHILADELPHIA, PA. 19104.  
SCURCE: 73RD ANNUAL MEETING OF THE FEDERATION OF AMERICAN

SOCIETIES FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LOUISIANA, USA,  
MARCH 19-23, 1989. FASEB (FED AM SOC EXP BIOL) J, (1989) 3  
(3), A301.

CODEN: FAJOEC. ISSN: 0892-6638.

DOCUMENT TYPE:

Conference

FILE SEGMENT:

BR; OLD

LANGUAGE:

English

L5 ANSWER 109 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1989:83718 BIOSIS

DOCUMENT NUMBER: BR36:39809

TITLE: PATHWAYS TO PRESENTATION.

AUTHOR(S): **HEBER-KATZ E**; WATARI E; DIETZSCHOLD B  
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19103.  
SCURCE: PERNIS, B., S. C. SILVERSTEIN AND H. J. VOGEL (ED.).  
S POCESING AND PRESENTATION OF ANTIGENS; P AND S

BIMEDICAL

SCIENCES SYMPOSIUM, NEW YORK, NEW YORK, USA, MAY 30-JUNE

1,

1986. XIV+324P. ACADEMIC PRESS, INC.: SAN DIEGO,  
CALIFORNIA, USA; LONDON, ENGLAND, UK. ILLUS, (1988) 0 (0),  
133-142.  
ISBN: 0-12-551855-2.

FILE SEGMENT:

BR; OLD

LANGUAGE:

English

ACCESSION NUMBER: 1988:103400 BIOSIS  
 DOCUMENT NUMBER: BR34:49742  
 TITLE: THE LEW RAT T CELL RESPONSE REPERTOIRE TO AN AUTOANTIGEN  
 AND ITS REGULATION BY ANTI-T CELL RECEPTOR ANTIBODY.  
 AUTHOR(S): HEBER-KATZ E; OWHASHI M; HAPP M P  
 CORPORATE SOURCE: WISTAR INST., 3601 SPRUCE ST., PHILADELPHIA, PA. 19104,  
 USA.  
 SOURCE: SECOND INTERNATIONAL CONGRESS OF NEUROIMMUNOLOGY,  
 PHILADELPHIA, PENNSYLVANIA, USA, SEPTEMBER 8-11, 1987. J  
 NEUROIMMUNOL, (1987) 16 (1), 75.  
 CODEN: JNRIDW. ISSN: 0165-5728.

DOCUMENT TYPE: Conference  
 FILE SEGMENT: BR; OLD  
 LANGUAGE: English

L5 ANSWER 111 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 1987:411814 BIOSIS  
 DOCUMENT NUMBER: BR33:81492  
 TITLE: A NEW PATHWAY TO ANTIGEN PRESENTATION.  
 AUTHOR(S): HEBER-KATZ E; WATARI E; DIETZSCHOLD B  
 CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
 SOURCE: SYMPOSIUM ON THE T CELL RECEPTOR HELD AT THE 16TH ANNUAL  
 MEETING OF THE UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES)  
 SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, LOS ANGELES,  
 CALIFORNIA, USA, APRIL 26-MAY 1, 1987. J CELL BIOCHEM  
 SUPPL, (1987) 0 (11 PART D), 288.  
 CODEN: JCBSD7.

DOCUMENT TYPE: Conference  
 FILE SEGMENT: BR; OLD  
 LANGUAGE: English

L5 ANSWER 112 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 1987:411719 BIOSIS  
 DOCUMENT NUMBER: BR33:81397  
 TITLE: THE T CELL RESPONSE IN EXPERIMENTAL ALLERGIC  
 ENCEPHALOMYELITIS CLONALITY AT THE LEVEL OF ANTIGEN  
 SPECIFICITY AND T CELL RECEPTOR GENE REARRANGEMENTS.  
 AUTHOR(S): HAPP M P; KIRALY A S; OFFNER H; VANDENBARK A;  
 HEBER-KATZ E

CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
 SOURCE: SYMPOSIUM ON THE T CELL RECEPTOR HELD AT THE 16TH ANNUAL  
 MEETING OF THE UCLA (UNIVERSITY OF CALIFORNIA-LOS ANGELES)  
 SYMPOSIA ON MOLECULAR AND CELLULAR BIOLOGY, LOS ANGELES,  
 CALIFORNIA, USA, APRIL 26-MAY 1, 1987. J CELL BIOCHEM  
 SUPPL, (1987) 0 (11 PART D), 256.  
 CODEN: JCBSD7.

DOCUMENT TYPE: Conference  
 FILE SEGMENT: BR; OLD  
 LANGUAGE: English

L5 ANSWER 113 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 1987:75678 BIOSIS  
 DOCUMENT NUMBER: BR32:35871  
 TITLE: SPECIFIC LONG-TERM PROTECTION FROM A LETHAL HERPES SIMPLEX  
 VIRUS INFECTION IN THE ABSENCE OF A DETECTABLE ANTIBODY  
 RESPONSE.

AUTHOR(S): HEBER-KATZ E; WATARI E; DIETZSCHOLD B  
 CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
 SOURCE: BROWN, F., R. M. CHANOCK AND R. A. LERNER (ED.). NEW  
 APPROACHES TO IMMUNIZATION: DEVELOPING VACCINES AGAINST  
 PARASITIC, BACTERIAL, AND VIRAL DISEASES; CONFERENCE ON  
 VACCINES 86, COLD SPRING HARBOR, N.Y., USA. XXI+418P. COLD  
 SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA.  
 ILLUS. PAPER, (1986) 0 (0), 65-70.  
 ISBN: 0-87969-190-5.

FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 114 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1986:230859 BIOSIS  
DOCUMENT NUMBER: BP30:113355  
TITLE: RESISTANCE TO EXPERIMENTAL ALLERGIC ENCEPHALOMYELITIS  
REGULATION BY NON-MAJOR HISTOCOMPATIBILITY COMPLEX GENES.  
AUTHOR(S): HAPP M F; WETTSTEIN P; **HEBER-KATZ E**  
CORPORATE SOURCE: WISTAR INSTITUTE, PHILADELPHIA, PA. 19104.  
SOURCE: SYMPOSIUM ON IMMUNE REGULATION BY CHARACTERIZED  
POLYPEPTIDES HELD AT THE 15TH ANNUAL UCLA (UNIVERSITY OF  
CALIFORNIA-LOS ANGELES) MEETING ON MOLECULAR AND CELLULAR  
BIOLOGY, LOS ANGELES, CALIF., USA, JAN. 25-FEB. 1, 1986. J  
CELL BIOCHEM SUPPL, (1986) C (10 PART A), 98.  
CODEN: JCBSD7.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 115 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1986:66338 BIOSIS  
DOCUMENT NUMBER: BP30:66338  
TITLE: THE MURINE T CELL RESPONSE TO THE GLYCOPROTEIN D OF HERPES  
SIMPLEX VIRUS.  
AUTHOR(S): **HEBER-KATZ E**; HOLLOSI M; DIETZSCHOLD B; HEDECZ F;  
FASMAN G  
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
SOURCE: LAVER, W. G. AND G. M. AIR (ED.). CURRENT COMMUNICATIONS  
IN MOLECULAR BIOLOGY: IMMUNE RECOGNITION OF PROTEIN ANTIGENS;  
MEETING, COLD SPRING HARBOR, N.Y., USA, MAR. 1985. X+197P.  
COLD SPRING HARBOR LABORATORY: COLD SPRING HARBOR, N.Y.,  
USA. ILLUS. PAPER, (1985) 0 (0), 134-138.  
ISBN: 0-87969-185-9.

FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 116 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1986:25225 BIOSIS  
DOCUMENT NUMBER: BP30:25225  
TITLE: STRUCTURE-FUNCTION RELATIONSHIP IN IMMUNOGENIC SYNTHETIC  
HERPES SIMPLEX VIRUS PEPTIDES.  
AUTHOR(S): DIETZSCHOLD B; **HEBER-KATZ E**; HUDECZ F; HOLLOSI M;  
FASMAN G; EISENBERG R J; COHEN G H  
CORPORATE SOURCE: WISTAR INST. ANAT. AND BIOL., PHILADELPHIA, PA. 19104.  
SOURCE: LERNER, R. A., R. M. CHANOCK AND F. BROWN (ED.). VACCINES  
85: MOLECULAR AND CHEMICAL BASIS OF RESISTANCE TO  
PARASITIC, BACTERIAL, AND VIRAL DISEASES; MEETING, 1983.  
XXI+407P. COLD SPRING HARBOR LABORATORY: COLD SPRING  
HARBOR, N.Y., USA. ILLUS. PAPER, (1985) 0 (0), 227-234.  
ISBN: 0-87969-181-6.

FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 117 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1985:87455 BIOSIS  
DOCUMENT NUMBER: BP28:87455  
TITLE: CONFORMATION OF SYNTHETIC PEPTIDES OF HERPES SIMPLEX VIRUS  
GLYCOPROTEIN I-GD.  
AUTHOR(S): HOLLOSI M; DIETZSCHOLD B; **HEBER-KATZ E**; HUDECZ F;  
VARRICCHIO A; FASMAN G D  
CORPORATE SOURCE: GRADUATE DEPARTMENT OF BIOCHEMISTRY, BRANDEIS UNIVERSITY,  
SOURCE: WALTHAM, MA.  
PA., 188TH AMERICAN CHEMICAL SOCIETY MEETING, PHILADELPHIA,

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 118 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1984:127846 BIOSIS  
DOCUMENT NUMBER: BR27:4438  
TITLE: GENETIC CONTROL OF THE T CELL RESPONSE TO PEPTIDES OF THE  
GLYCO PROTEIN D-GD OF HERPES SIMPLEX VIRUS.  
AUTHOR(S): HEBER-KATZ E; DIETZSCHOLD B  
CORPORATE SOURCE: WISTAR INST., PHILADELPHIA, PA. 19104.  
SOURCE: SYMPOSIUM ON REGULATION OF THE IMMUNE SYSTEM HELD AT THE  
13TH ANNUAL UCLA (UNIVERSITY OF CALIFORNIA - LOS ANGELES)  
SYMPOSIA, LOS ANGELES, CALIF., USA, MAR. 18-25, 1984. J  
CELL BIOCHEM, (1984) 0 (8 PART A), 103.  
CODEN: JCBSD7.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 119 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1982:95660 BIOSIS  
DOCUMENT NUMBER: BR23:25652  
TITLE: PROOF OF ANTIGEN IA INTERACTION SHOWN BY THE SPECIFICITY  
OF ANTIGEN INDUCED ACTIVATION OF T CELL HYBRIDOMAS.  
AUTHOR(S): HEBER-KATZ E; HANSBURG B; SCHWARTZ R H  
CORPORATE SOURCE: NIH, BETHESDA, MD., 20014.  
SOURCE: 66TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN  
SOCIETIES FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LA., USA, APRIL  
15-23, 1982. FED PROC, (1982) 41 (3), ABSTRACT 1216.  
CODEN: FEPRA7. ISSN: 0014-9446.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 120 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1982:94816 BIOSIS  
DOCUMENT NUMBER: BR23:14808  
TITLE: I REGION RESTRICTED ANTIGEN PRESENTATION BY B CELL B  
LYMPHOMA CELL HYBRIDOMAS.  
AUTHOR(S): GLIMCHER L; HAMANO T; ASOFSKY R; HEBER-KATZ E;  
HEDRICK S; GREEN I; PAUL W E  
CORPORATE SOURCE: NIH, BETHESDA, MD. 20205.  
SOURCE: 66TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN  
SOCIETIES FOR EXPERIMENTAL BIOLOGY, NEW ORLEANS, LA., USA, APRIL  
15-23, 1982. FED PROC, (1982) 41 (3), ABSTRACT 2636.  
CODEN: FEPRA7. ISSN: 0014-9446.

DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: English

L5 ANSWER 121 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1981:90800 BIOSIS  
DOCUMENT NUMBER: BR21:25796  
TITLE: IDIOTYPE ANTI IDIOTYPE PATHWAYS AND THE REGULATION OF  
IMMUNE RESPONSES.  
AUTHOR(S): PAUL W E; HEBER-KATZ E; BONA C  
CORPORATE SOURCE: NIH, BETHESDA, MD. 20205.  
SOURCE: 65TH ANNUAL MEETING OF THE FEDERATION OF AMERICAN  
SOCIETIES

DOCUMENT TYPE: Conference  
FILE SEGMENT: BF; OLD  
LANGUAGE: English

L5 ANSWER 122 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1978:70733 BIOSIS  
DOCUMENT NUMBER: BR15:14233  
TITLE: CONSIDERATIONS OF THE NATURE AND SPECIFICITY OF THYMUS  
DERIVED CELL TRIGGERING AND OF CELL-CELL INTERACTIONS IN  
THE IMMUNE RESPONSE.  
AUTHOR(S): WILSON D B; HEBER-KATZ E; MARSHAK A; LINDAHL K F  
SOURCE: COOPER, MAX D. AND DELBERT H. DAYTON (ED.). MONOGRAPH OF  
THE NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN  
DEVELOPMENT. DEVELOPMENT OF HOST DEFENSES. CONFERENCE, MAY  
1976. XIV+306P. ILLUS. RAVEN PRESS: NEW YORK, N.Y., USA,  
(1977) 133-140.  
ISBN: 0-89004-117-2.  
FILE SEGMENT: BR; OLD  
LANGUAGE: Unavailable

L5 ANSWER 123 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1978:888 BIOSIS  
DOCUMENT NUMBER: BR14:888  
TITLE: ON THE POSSIBILITY OF MULTIPLE THYMUS DERIVED CELL  
RECEPTORS.  
AUTHOR(S): WILSON D B; HEBER-KATZ E; SPENT J; HOWARD J C  
SOURCE: COLD SPRING HARBOR LAB. COLD SPRING HARBOR SYMPOSIA ON  
QUANTITATIVE BIOLOGY, VOL. 41, PARTS 1 AND 2. ORIGINS OF  
LYMPHOCYTE DIVERSITY. COLD SPRING HARBOR, N.Y., USA, 1976.  
XXII+437P(PART 1); XII+509P(PART 2). ILLUS. COLD SPRING  
HARBOR LABORATORY: COLD SPRING HARBOR, N.Y., USA, (1977)  
559-561.  
ISBN: 0-87696-040-2.  
FILE SEGMENT: BR; OLD  
LANGUAGE: Unavailable

L5 ANSWER 124 OF 124 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1976:37624 BIOSIS  
DOCUMENT NUMBER: BR12:37624  
TITLE: RAT THYMUS DERIVED CELLS POSITIVELY SELECTED FOR  
RESPONSIVENESS TO ALLO ANTIGENS OF A MAJOR HISTO  
COMPATIBILITY COMPLEX HAPLOTYPE SHOW UNALTERED SHEEP RED  
BLOOD CELL SPECIFIC HELPER ACTIVITY.  
AUTHOR(S): HEBER-KATZ E; WILSON D B  
SOURCE: Fed. Proc., (1976) 35 (3), 627.  
CODEN: FEPFA7. ISSN: 0014-9446.  
DOCUMENT TYPE: Conference  
FILE SEGMENT: BR; OLD  
LANGUAGE: Unavailable

=> s propylthiouracil and (cardiac or heart)

L6 1092 PROPYLTHIOURACIL AND (CARDIAC OR HEART)

=> s propylthiouracil (p) (cardiac or heart)

L7 485 PROPYLTHIOURACIL (P) (CARDIAC OR HEART)

=> s 17 and (heal? or wound or scar)

L8 15 L7 AND (HEAL? OR WOUND OR SCAR)

=> dup rem 18

PROCESSING COMPLETED FOR L8  
L9 13 DUP REM L8 (2 DUPLICATES REMOVED)

=> d 19 ibib aks tot

L9 ANSWER 1 OF 13 USPATFULL  
ACCESSION NUMBER: 2002:209575 USPATFULL  
TITLE: Controlled release oral dosage for suitable for oral administration  
INVENTOR(S): Mulye, Nirmal, Long Beach, NY, United States  
PATENT ASSIGNEE(S): Norstrum Pharmaceuticals, Inc., Long Beach, NY, United States (U.S. corporation)

PATENT INFORMATION: NUMBER KIND DATE  
-----  
US 6437000 B1 20020820  
US 2000-650837 20000830 (9)

APPLICATION INFO.: NUMBER DATE  
-----  
US 1999-152114P 19990902 (60)

PRIORITY INFORMATION: Utility  
DOCUMENT TYPE: GRANTED  
FILE SEGMENT: Pryor, Alton  
PRIMARY EXAMINER: Scully, Scott, Murphy & Presser  
LEGAL REPRESENTATIVE: 38  
NUMBER OF CLAIMS: 1  
EXEMPLARY CLAIM: 0 Drawing Figure(s); 0 Drawing Page(s)  
NUMBER OF DRAWINGS: 826  
LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to a pharmaceutical composition, preferably in the form of a tablet comprising a therapeutically effective amount of a medicament in a carrier comprising a water insoluble polymer and a water-insoluble inorganic salt.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 2 OF 13 USPATFULL  
ACCESSION NUMBER: 2002:152387 USPATFULL  
TITLE: Correcting diastolic dysfunction in heart failure  
INVENTOR(S): Metzger, Joseph M., Ann Arbor, MI, United States  
PATENT ASSIGNEE(S): The Regents of The University of Michigan, Ann Arbor, MI, United States (U.S. corporation)

PATENT INFORMATION: NUMBER KIND DATE  
-----  
US 6410236 B1 20020625  
US 1999-387919 19990901 (9)  
APPLICATION INFO.: Utility  
DOCUMENT TYPE: GRANTED  
FILE SEGMENT: Clark, Deborah J. R.  
PRIMARY EXAMINER: Brunovskis, Peter  
ASSISTANT EXAMINER: Medlen & Carroll, LLP  
LEGAL REPRESENTATIVE: 3  
NUMBER OF CLAIMS: 1  
EXEMPLARY CLAIM: 9 Drawing Figure(s); 9 Drawing Page(s)  
NUMBER OF DRAWINGS: 1528  
LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to the overexpression of a calcium binding protein in cardiac myocytes in vivo and in vitro, and in particular, to the correction of diastolic dysfunction. Expression of the calcium binding protein parvalbumin in cardiac myocytes results in an increase

in the rate of relaxation of the cardiac myocyte, in vivo and in vitro.  
The parvalbumin is expressed from an adenovirus vector,  
adeno-associated  
virus vector, or gutted adenovirus vector. The transfected in vivo and  
in vitro cardiac myocytes are also useful in drug screens.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 3 OF 13 USPATFULL  
ACCESSION NUMBER: 2001:150697 USPATFULL  
TITLE: Delivery of oral drugs  
INVENTOR(S): Staniforth, John, Bath, Great Britain  
Tobyn, Michael, Wileshire, Great Britain

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001020147	A1	20010906
APPLICATION INFO.:	US 2001-793304	A1	20010226 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2000-4701	20000228
	GB 2000-9023	20000412

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: DAVIDSON, DAVIDSON & KAPPEL, LLC, 485 Seventh Avenue,  
14th Floor, New York, NY, 10018

NUMBER OF CLAIMS: 91  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 18 Drawing Page(s)  
LINE COUNT: 2247

AB Disclosed is a system for delivery of a drug comprising a multiple unit dosing device comprising a housing and an actuator, said device containing multiple doses of multiparticulates comprising drug particles, said device upon actuation delivering a unit dose of said multiparticulates, said drug particles having a mean diameter of greater than 10 .mu.m to about 1 mm such that an effective dose of said drug cannot be delivered into the lower lung of a human patient. Also disclosed are novel methods, devices and dosage forms for delivering a drug.

L9 ANSWER 4 OF 13 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
ACCESSION NUMBER: 2001113245 EMBASE  
TITLE: Congenital thyrotoxicosis in premature infants.  
AUTHOR: Smith C.; Thomsett M.; Choong C.; Rodda C.; McIntyre H.D.;  
Cotterill A.M.  
CORPORATE SOURCE: Dr. A.M. Cotterill, Dept. of Paediatric Endocrinology,  
Mater Children's Hospital, Brisbane, QLD 4101, Australia  
SOURCE: Clinical Endocrinology, (2001) 54/3 (371-376).  
Refs: 19  
ISSN: 0300-0664 CODEN: CLENAO  
COUNTRY: United Kingdom  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 003 Endocrinology  
007 Pediatrics and Pediatric Surgery  
037 Drug Literature Index  
038 Adverse Reactions Titles  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
AB OBJECTIVES: Graves' disease (GD) complicates 0.1% to 0.2% of pregnancies, but congenital thyrotoxicosis is rare occurring in one in 70 of these pregnancies independent of maternal disease status. Antenatal prediction of affected infants is imprecise; however, maternal history, coupled with a high maternal serum TSH receptor binding immunoglobulin index (TBII)

predict adverse neonatal outcome. Mortality is reported to be as high as 25% in affected infants and would therefore be expected to be higher in premature infants. This study illustrates that in sick, premature, extreme

low birth weight (ELBW) or intrauterine growth retarded (IUGR) infants, the diagnosis may be overlooked especially in the absence of antenatal risk

assessment and management of thyrotoxicosis in this setting is complex. DESIGN and PATIENTS: The records of premature neonates born at the three main maternity units in Brisbane, between January 1996 and July 1998 diagnosed with congenital thyrotoxicosis were reviewed. Data were recorded

on gestational age, birth weight (B Wt), maternal thyroid history and current status, and neonatal course. Thyroid function and TBII status was assessed using standard biochemical assays. RESULTS: Seven neonates from five pregnancies were identified (four female, three male). Mean gestational age was 30 weeks (25-36 weeks) and median B Wt was 1.96 kg (0.50-2.62 kg). Only one mother received formal antenatal counselling by

a paediatric endocrine service and had a TBII (54%) measured prior to delivery. Three of five mothers had elevated TBII measured after diagnosis

in their offspring (57%, 65%, 83%) and in one mother, a TBII was not performed. All mothers were biochemically euthyroid at delivery. Mean age at diagnosis was 9 days (1-16 days) and mean age at commencement of treatment was 12 days (7-26 days). Two infants received propylthiouracil and five received a combination of carbimazole and propranolol. Four became biochemically hypothyroid, in three this resolved with cessation of the antithyroid drug (ATD), and one required ongoing T4 supplementation. Only one infant required treatment for cardiac failure and there were no deaths in this cohort.

CONCLUSIONS: This is a large series of extremely small and premature infants with neonatal thyrotoxicosis. Presentation was nonspecific. The diagnosis was delayed because of low birth weight, prematurity, multiple birth and/or an unrecognized maternal history of Graves' disease. The treatment of neonatal thyrotoxicosis was difficult in these extreme low birth weight infants yet no infant died and significant morbidity was confined to high output cardiac failure in one infant. With antenatal recognition of past or active Graves' disease, assessment of maternal TSH receptor binding immunoglobulin index prior to delivery and postnatal monitoring of cord TSH and venous fT4 and TSH on days 4 and 7 rapid treatment of affected infants may have further reduced neonatal morbidity.

L9 ANSWER 5 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1996:469712 BIOSIS

DOCUMENT NUMBER: PREV199699192068  
TITLE: Consensus statement for good practice and audit measures

in

AUTHOR(S): the management of hypothyroidism and hyperthyroidism.  
Vanderpump, M. P. J.; Ahlquist, J. A. O.; Franklyn, J. A.;  
Clayton, R. N. (1)

COPPORATE SOURCE: (1) Dep. Diabetes Endocrinol., City Gen. Hosp., Stoke on Trent ST4 6QQ UK

SOURCE: British Medical Journal, (1996) Vol. 313, No. 7056, pp. 539-544.

ISSN: 0959-8138.  
DOCUMENT TYPE: Standard  
LANGUAGE: English

L9 ANSWER 6 OF 13 MEDLINE

ACCESSION NUMBER: 96200639 MEDLINE  
DOCUMENT NUMBER: 96200639 PubMed ID: 8677108  
TITLE: Successful treatment of recurrent non-immune hydrops secondary to fetal hyperthyroidism.  
AUTHOR: Treadwell M C; Sherer D M; Sacks A J; Ghezzi F; Romero R

DUPLICATE 1

CORPORATE SOURCE: Department of Obstetrics and Gynecology, Hutzel Hospital/Wayne State University, Detroit, Michigan, USA.  
OBSTETRICS AND GYNECOLOGY, (1996 May) 87 (5 Pt 2) 838-40.  
SOURCE:

Journal code: 0401101. ISSN: 0029-7844.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals  
ENTRY MONTH: 199608  
ENTRY DATE: Entered STN: 19960822  
Last Updated on STN: 19960822  
Entered Medline: 19960815

AB BACKGROUND: Non-immune fetal hydrops is a heterogeneous disorder with a mortality rate of 50-98%. Resolution of non-immune fetal hydrops is rare but has been reported to occur spontaneously or after targeted therapeutic measures. CASE: A euthyroid gravida with Graves disease presented with a history of three prior perinatal deaths between 26 and 28 weeks' gestation, all associated with fetal hydrops. In the current pregnancy, the fetus developed hydrops at 24 weeks' gestation. Fetal hyperthyroidism, with high-output **cardiac** failure, was diagnosed with fetal blood sampling. After maternal therapy with **propylthiouracil**, resolution of the non-immune hydrops were documented and a **healthy** neonate subsequently delivered to term. The neonate developed transient hyperthyroidism after delivery, which required treatment for 10 weeks. CONCLUSION: Non-immune hydrops occurring as a result of fetal hyperthyroidism with high output **cardiac** failure is treatable with **propylthiouracil**.

LG ANSWER 7 OF 13 USPATFULL  
ACCESSION NUMBER: 94:88500 USPATFULL  
TITLE: Controlled release powder and process for its preparation  
INVENTOR(S): Sparks, Randall T., Gainesville, GA, United States  
Geoghegan, Edward J., Westmeath, Ireland  
PATENT ASSIGNEE(S): Elan Corporation, plc, Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5354556		19941011
APPLICATION INFO.:	US 1990-537065		19900709 (7)
DISCLAIMER DATE:	20070828		
RELATED APPLN. INFO.:			Continuation of Ser. No. US 1988-169447, filed on 17 Mar 1983, now patented, Pat. No. US 4952402 which is a continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now patented, Pat. No. US 4940588

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-278884	19841030
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Harrison, R.	
LEGAL REPRESENTATIVE:	Church, Marla J.	
NUMBER OF CLAIMS:	12	
EXEMPLIARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 16 Drawing Page(s)	
LINE COUNT:	1139	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of

from

0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingredient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree.

C.

and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 13 USPATFULL  
ACCESSION NUMBER: 90:91090 USPATFULL  
TITLE: Synthetic peptides derived from the alpha-subunit of human lycoprotein hormones  
INVENTOR(S): Ryan, Robert J., Rochester, MN, United States  
McCormick, Daniel J., Rochester, MN, United States  
Morris, John C., Rochester, MN, United States  
Charlesworth, M. Cristine, Rochester, MN, United States  
States  
PATENT ASSIGNEE(S): Mayo Foundation for Medical Education and Research, Rochester, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4973578		19901127
APPLICATION INFO.:	US 1988-169375		19880317 (7)
DOCUMENT TYPE:		Utility	
FILE SEGMENT:		Granted	
PRIMARY EXAMINER:		Mcezie, F. T.	
LEGAL REPRESENTATIVE:		Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A.	
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	809		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Synthetic peptides corresponding to .alpha.-subunit of human glycoprotein hormone amino acid regions .alpha.31-45, .alpha.21-35, .alpha.26-46 and .alpha.81-92; were found to inhibit binding of 125.sub.I-bTSH to human thyroid. Peptides corresponding to regions .alpha.26-46 and .alpha.31-45 were also found to potently inhibit the stimulation of adenylate cyclase activity by bTSH in a TSH bioassay using FRTL-5 cells and block the action of thyroid stimulating immunoglobulin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 13 USPATFULL  
ACCESSION NUMBER: 90:67456 USPATFULL  
TITLE: Controlled release powder and process for its preparation  
INVENTOR(S): Sparks, Randall T., Gainesville, GA, United States  
Geoghegan, Edward J., Athlone, Ireland  
PATENT ASSIGNEE(S): Elan Corporation, p.l.c., Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4952402		19900828
APPLICATION INFO.:	US 1988-169447		19880317 (7)
RELATED APPLN. INFO.:		Continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now abandoned	

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-2788	19841030
DOCUMENT TYPE:	Utility	

FILE SEGMENT: Granted  
PRIMARY EXAMINER: Page, Thurman K.  
LEGAL REPRESENTATIVE: Falk, Robert Hardy, Croskell, Henry  
NUMBER OF CLAIMS: 52  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 16 Drawing Figure(s); 15 Drawing Page(s)  
LINE COUNT: 1310

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of

from 0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingredient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree.

C.

and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 10 OF 13 USPATFULL  
ACCESSION NUMBER: 90:54484 USPATFULL  
TITLE: Controlled release powder and process for its preparation  
INVENTOR(S): Sparks, Randall T., Gainesville, GA, United States  
Geoghegan, Edward J., Athlone, Ireland  
PATENT ASSIGNEE(S): Elan Corporation, Athlone, Ireland (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4940588		19900710
APPLICATION INFO.:	US 1988-171131		19880317 (7)
RELATED APPLN. INFO.:			Continuation of Ser. No. US 1985-792801, filed on 30 Oct 1985, now abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	IE 1984-2788	19841030
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Rose, Shep K.	
LEGAL REPRESENTATIVE:	Falk, Robert H., Croskell, Henry	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	16 Drawing Figure(s); 15 Drawing Page(s)	
LINE COUNT:	1123	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A controlled release powder containing discrete micro-particles for use in edible, pharmaceutical and other controlled release compositions is disclosed. The micro-particles have an average size in the range of

from 0.1 to 125 .mu.m. Each of the micro-particles is in the form of a micromatrix of an active ingredient uniformly distributed in at least one non-toxic polymer. The micro-particles have a predetermined release of active ingredient when the dissolution rate thereof is measured according to the Paddle Method of U.S. Pharmacopoeia XX at 37.degree.

C.

and 75 r.p.m.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 11 OF 13 USPATFULL  
ACCESSION NUMBER: 90:32202 USPATFULL

TITLE: Method of lowering LDL cholesterol in blood  
INVENTOR(S): Nestler, John E., Richmond, VA, United States  
Barlascini, Cornelius O., Columbus, GA, United States  
Clore, John N., Richmond, VA, United States  
Blackard, William G., Richmond, VA, United States  
PATENT ASSIGNEE(S): Virginia Commonwealth University, Richmond, VA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4920115		19900424
APPLICATION INFO.:	US 1988-291149		19881228 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Snead, H. M. S.		
ASSISTANT EXAMINER:	Saba, James		
LEGAL REPRESENTATIVE:	Whitham & Marhoefer		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	516		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Therapeutic amounts of DHEA are administered to human patients for the treatment and prevention of such disorders as atherosclerosis, angina, diabetes, obesity and congestive heart failure. Administering therapeutic quantities of DHEA to human patients has been found to reduce body fat mass and increase muscle mass, lower serum LDL cholesterol levels, lower serum apcB levels, and not affect tissue sensitivity to insulin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1985:420720 CAPLUS  
DOCUMENT NUMBER: 103:20720  
TITLE: A myothermal analysis of the myosin crossbridge cycling rate during isometric tetanus in normal and hypothyroid rat hearts  
AUTHOR(S): Alpert, N. R.; Mulieri, L. A.; Litten, R. Z.; Holubarsch, C.  
CORPORATE SOURCE: Dep. Physiol. Biophys., Univ. Vermont, Burlington, VT,  
SOURCE: USA  
Eur. Heart J. (1984), 5(Suppl. F), 3-11  
CODEN: EHJODF; ISSN: 0195-668X  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The problem of internal shortening, which takes place during force development and dissipation in the isometric twitch, is minimized by carrying out measurements of the rate of heat liberation during the plateau phase of tetanic force maintenance. The V1/V3 myosin isoenzyme ratio is altered by treating rats with **propylthiouracil** (PTU) added to the drinking water; here the contractile protein alteration occurs with myocardial atrophy rather than hypertrophy. High resoln., rapid temp. measurements are made in tetanically stimulated isometrically contracting rat **heart** papillary muscles from normal (high V1/V3 ratio) and PTU treated (low V1/V3 ratio) rats to assess the relation between contractile protein performance (crossbridge cycling rate) in the intact muscle and that under controlled conditions in isolated myofibrils.  
In papillary muscles from the normal **heart** the crossbridge cycling rate during force maintenance was 6.53 Hz compared with 3.13 and 0.53 cycles/s in the myofibril at high and low ionic strength, resp. For the PTU treated papillary muscles the cycling rate during force maintenance was 2.71 cycles/s while in the myofibril at high and low ionic

strength it was 0.97 and 0.34 cycles/s, resp. This difference may be a result of reduced cycling rate in myofibrillar preps. caused by a disorganization of the filament lattice as a result of loss of the sarcolemma and when unrestrained sarcomere shortening occurs. Similar to the results found previously in the rabbit (with low V1/V3 ratios) the economy of force maintenance was substantially increased in the PTU (low V1/V3) treated rat hearts. Anal. of this increase in economy indicates that it resulted from a decrease in the myosin crossbridge cycling rate assocd. with an increase in the on time (period during which the crossbridge is connected to actin and developing force). In the normal heart preps. studies were carried out at a lower temp. (21 vs 11.degree.) to see if decreasing the cycling rate by means of a temp. change would increase the economy of force maintenance and if the Q10 for the cycling rate and on time were identical. Force maintenance at the lower temp. was more economical than at the higher temp. while the Q10

for cycling rate and on time were 1.7 and 2.7, resp.

L9 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1956:45584 CAPLUS  
DOCUMENT NUMBER: 50:45584  
ORIGINAL REFERENCE NO.: 50:8848d-e  
TITLE: Effects of sitosterol ingestion on serum cholesterol concentration  
AUTHOR(S): Shipley, R. E.  
CORPORATE SOURCE: Indianapolis General Hosp., IN  
SOURCE: Trans. N.Y. Acad. Sci. (1955), 18, 111-18  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable  
AB Feeding of sitosterol to the following caused a lowering of serum cholesterol: dogs made hypercholesteremic by cholesterol feeding and **propylthiouracil**; **healthy** male adult; female adult with hypertension; female adult with hypercholesterolemia and arteriosclerotic **heart** disease; female adult with hypercholesterolemia; male diabetic.

=> d kwic 2 5 9 11

L9 ANSWER 2 OF 13 USPATFULL  
GOVI This invention was made with Government support under a National Institutes of **Health** grant awarded by contract AG15434. The government has certain rights in this invention.  
SUMM . . . to be 4-5 million individuals, with annualized hospital and care costs of about \$12, billion per year (Levit et al., **Health** Care Finan. Rev. 13: 29-54, [1991]; O'Connell, J. Heart Lung Transplant 13: S107-S248, [1994]; Gheorghiade et al., Am. Heart J.. . .  
DETD . . . Sprague Dawley rats by enzymatic digestion as described previously (Westfall, et al., supra). Rats were made hypothyroid by adding 0.6% **propylthiouracil** to the drinking water for a minimum of 4 weeks prior to myocyte isolation. Myocytes were isolated by removing the **heart** from an anesthetized rat and perfusing the **heart** with Kreb's Henseleit Buffer (KHB)+1 mM CaCl<sub>2</sub> for 5 minutes on a modified Langendorff perfusion apparatus. The **heart** was then perfused with Ca<sup>2+</sup>-free KHB for 5 minutes followed by addition of collagenase (0.5 mg/ml) and hyaluronidase (0.2. . .

L9 ANSWER 5 OF 13 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
IT Major Concepts  
Cardiovascular Medicine (Human Medicine, Medical Sciences); Development; Endocrine System (Chemical Coordination and Homeostasis); Metabolism; Pathology; Pharmacology; Public **Health** (Allied Medical Sciences); Radiology (Medical Sciences); Reproductive System (Reproduction); Surgery (Medical Sciences); Toxicology

IT Chemicals & Biochemicals  
THYROXINE; CARBIMAZOLE; PROPYLTHIOURACIL  
IT Miscellaneous Descriptors  
ADVERSE SIDE EFFECTS; ANTITHYROID-DRUG; CARBIMAZOLE; DIAGNOSIS;  
GRAVES'  
DISEASE; HYPEREMESIS GRAVIDARUM; ISCHEMIC **HEART** DISEASE;  
**PROPYLTHIOURACIL**; RADIOIODINE; SURGERY; THIONAMIDES;  
THYROIDITIS; THYROTOXICOSIS; THYROXINE

L9 ANSWER 9 OF 13 USPATFULL  
DETD . . . ascorbic acid, alpha tocopherol, thiamine and pyridoxine; anti-spasmodic drugs such as dicyclomine and diphenoxylate; drugs affecting the rhythm of the **heart** such as verapamil, nifedipine, diltiazem, procainamide, disopyramide, bretylium tosylate, quinidine sulfate and quinidine gluconate; drugs used in the treatment of . . . as tolbutamide, disbenase glucagon and insulin; drugs used in the treatment of thyroid gland dysfunction such as triiodothyronine, thyroxine and **propylthiouracil**, diuretic drugs such as furosemide, chlorthalidone, hydrochlorothiazide, spironolactone and triamterene; the uterine relaxant drug ritodrine; appetite suppressants such as fenfluramine. . . .  
DETD Other suitable formulations incorporating the micro-particles according to the invention include inhalants, magmas, intrauterine devices, patches, biodegradable **wound** dressings and other topical dressings.

L9 ANSWER 11 OF 13 USPATFULL  
GOVI This invention was made with U.S. Government support under contracts RR00065 and AM07428 awarded by the National Institutes of **Health**. The government has certain rights in this invention.  
SUMM . . . Geriatrics 37: 157 (1982), DHEA was reported to be a "miracle drug" which may prevent obesity, aging, diabetes mellitus and **heart** disease. These assertions stem from animal studies which demonstrated that DHEA administration resulted in lower body weight in C3H(Avy/a) mice. . . . tissue sensitivity to insulin in aged normal mice, and prevented the rise in cholesterol levels of rats made hypothyroid with **propylthiouracil**. Human studies have revealed an inverse correlation between fetal serum DHEA-S and low density lipoprotein (LDL) levels (Parker et al., . . . men contrasts significantly with animal studies, in which DHEA prevented the rise in serum cholesterol in rats made hypothyroid with **propylthiouracil**, but had no effect on serum cholesterol levels in normal rats (Ben-David et al, Proc. Soc. Exp. Biol. Med. 125: . . . the inventor's study represents an estimated 14% reduction in risk for the development of cardiovascular disease. The derived reduction of coronary **heart** disease from the reduction of cholesterol is discussed in the Lipid Research Clinics article, JAMA, 251: 365-3/4 (1984), and this.

=> d history

(FILE 'HOME' ENTERED AT 10:35:09 ON 09 OCT 2002)

FILE 'MEDLINE, CAPLUS, LIFESCI, EMBASE, USPATFULL, BIOSIS' ENTERED AT 10:35:26 ON 09 OCT 2002

E HEBER-KATZ ?/AU  
E HEBER KATZ ?/AU

L1 327 S E4-6  
L2 7 S L1 AND (CARDIAC OR HEART)  
L3 3 DUP FEM L2 (4 DUPLICATES REMOVED)  
L4 127 DUP FEM L1 (200 DUPLICATES REMOVED)

L5 124 S L4 NOT L2  
L6 1092 S PROPYLTHIURACIL AND (CARDIAC OR HEART)  
L7 486 S PROPYLTHIURACIL (P) (CARDIAC OR HEART)  
L8 15 S L7 AND (HEAL? OR WOUND OR SCAR)  
L9 13 DUP REM L8 (2 DUPLICATES REMOVED)

=> s 17 and ischemia

L10 6 L7 AND ISCHEMIA

=> s 110 not 18

L11 6 L10 NOT L8

=> dup rem 111

PROCESSING COMPLETED FOR L11  
L12 3 DUP REM L11 (3 DUPLICATES REMOVED)

=> d 112 ibib abs tot

L12 ANSWER 1 OF 3 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1  
ACCESSION NUMBER: 93231809 EMBASE  
DOCUMENT NUMBER: 1993231809  
TITLE: [Acute ischemic **heart** disease and thyrotoxicosis:  
Rapid regression of myocardial **ischemia** with  
propranolol and **propylthiouracil**. A case report].  
**ISCHEMIA** MIocardia ACUTA IN CORSO DI  
TIREOTOSICOSI: REGRESSIONE RAPIDA DELL'**ISCHEMIA**  
CON L'IMPIEGO DI PROPRANOLOLO E PROPILTIOURACILE.  
DESCRIZIONE DI UN CASO CLINICO.  
AUTHOR: Della Corte C.; Della Corte R.; Festa M.  
CORPORATE SOURCE: Piazza della Rocca, 2, 01100 Viterbo, Italy  
SCURCE: Gazzetta Medica Italiana Archivio per le Scienze Mediche,  
(1993) 152/4 (149-153).  
ISSN: 0393-3660 CODEN: GMIMES  
COUNTRY: Italy  
DOCUMENT TYPE: Journal; Article  
FILE SEGMENT: 003 Endocrinology  
018 Cardiovascular Diseases and Cardiovascular Surgery  
037 Drug Literature Index  
LANGUAGE: Italian  
SUMMARY LANGUAGE: Italian; English

L12 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 2  
ACCESSION NUMBER: 1989:571851 CAPLUS  
DOCUMENT NUMBER: 111:171851  
TITLE: Ventricular fibrillation is reduced in hypothyroid  
rats with enhanced myocardial .alpha.-adrenoceptor  
responsiveness  
AUTHOR(S): Chess-Williams, R.; Coker, S. J.  
CORPORATE SOURCE: Dep. Pharmacol. Ther., Univ. Liverpool, Liverpool,  
L69 3BX, UK  
SOURCE: Br. J. Pharmacol. (1989), 98(1), 95-100  
CODEN: BJPCBM; ISSN: 0007-1188  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The severity of ventricular arrhythmias induced by coronary artery  
occlusion and reperfusion was examd. in control rats and animals made  
hypothyroid by pretreatment with 6-**propylthiouracil** (PTU). The  
maximal driving frequency and sensitivity of isolated left atria and  
papillary muscles to isoprenaline and to phenylephrine in the presence of  
propranolol, were also examd. in tissues from control and hypothyroid  
animals. Pretreatment with PTU resulted in a potentiation of responses

tc

the .alpha.-adrenoceptor agonist phenylephrine in both left atria and papillary muscles, while responses to isoprenaline were depressed in left atria but unaltered in papillary muscles from hypothyroid animals. In rats subject to coronary artery occlusion, PTU pretreatment reduced the incidence of ventricular fibrillation during acute myocardial **ischemia** and abolished reperfusion-induced ventricular fibrillation. Mortality during myocardial **ischemia** and reperfusion was also abolished. Diastolic blood pressure was similar in hypothyroid and control animals, but there was a small redn. in systolic blood pressure and a marked decrease in **heart** rate in PTU-pretreated animals. Thus, PTU-induced hypothyroidism represents a condition where **cardiac** .alpha.-adrenoceptor-mediated responses are enhanced but the severity of **ischemia**- and reperfusion-induced arrhythmias is reduced.

L12 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1979:146811 CAPLUS  
DOCUMENT NUMBER: 90:146811  
TITLE: Alcohol induced susceptibility to hypoxic liver damage: possible role in the pathogenesis of alcoholic liver disease?  
AUTHOR(S): Israel, Y.; Orrego, H.; Khanna, J. M.; Stewart, D.  
J.; Phillips, M. J.; Kalant, H.  
CORPORATE SOURCE: Addict. Res. Found., Univ. Toronto, Toronto, Ont., Can.  
SOURCE: Hepatology (N. Y.) (1977), 3(Alcohol Liver), 323-48  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Chronic EtOH [64-17-5] feeding to rats caused increased alc. metab., O uptake and liver lesions. The severity of the lesions was proportional to the degree of hypoxia. The alterations were localized in the periacinar zone and were characterized by necrosis, degeneration, and mild leukocytic infiltration. **Propylthiouracil** treatment which is known to reduce tissue O consumption markedly protected against liver damage induced by hypoxia in alc.-treated animals. The liver of the spontaneously hypersensitive strain of rats showed marked increases in alc. metab. and O consumption following chronic alc. feeding. These animals, in which **cardiac** output and liver perfusion rates were known to be reduced by hypertension, developed liver lesions spontaneously, when EtOH was fed chronically. **Ischemia**, resulting from a combination of metabolic factors and subclin. and clin. conditions may play a role in producing liver lesions of an alc.

=> d 1 all

L12 ANSWER 1 OF 3 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1  
AN 93231809 EMBASE  
DN 1993231809  
TI [Acute ischemic **heart** disease and thyrotoxicosis: Rapid regression of myocardial **ischemia** with propranolol and **propylthiouracil**. A case report].  
ISCHEMIA MIOCARDIA ACUTA IN CORSO DI TIREOTOXICOSI: REGRESSIONE RAPIDA DELL'**ISCHEMIA** CON L'IMPIEGO DI PROPRANOLOLO E PROPILTIOURACILE. DESCRIZIONE DI UN CASO CLINICO.  
AU Della Corte C.; Della Corte R.; Festa M.  
CS Piazza della Rocca, 2,01100 Viterbo, Italy  
SC Gazzetta Medica Italiana Archivio per le Scienze Mediche, (1993) 152/4 (149-153).  
CY Italy  
ISSN: 0393-3660 CODEN: GMIMES

DT Journal; Article  
FS 003 Endocrinology  
018 Cardiovascular Diseases and Cardiovascular Surgery  
037 Drug Literature Index  
LA Italian  
SL Italian; English  
CT Medical Descriptors:  
\*ischemic heart disease: DT, drug therapy  
\*thyrotoxicosis: DT, drug therapy  
aged  
article  
case report  
female  
human  
Drug Descriptors:  
\*propranolol: DT, drug therapy  
\*propylthiouracil: DT, drug therapy  
calcium antagonist: DT, drug therapy  
digoxin: DT, drug therapy  
glyceryl trinitrate: DT, drug therapy  
heparin: DT, drug therapy  
lanatoside c: DT, drug therapy  
verapamil: DT, drug therapy  
RN (propranolol) 13013-17-7, 313-98-9, 3506-09-0, 4199-09-1, 525-66-6;  
(propylthiouracil) 51-52-5; (digoxin) 20830-75-5, 57285-89-9; (glyceryl  
trinitrate) 55-63-0; (heparin) 37187-54-5, 8057-48-5, 8065-01-8,  
9005-48-5; (lanatoside c) 17575-22-3; (verapamil) 152-11-4, 52-53-9

=> s hypothyroid? and heart

L13 5511 HYPOTHYROID? AND HEART

=> s 113 and (wound or ischemi?)

L14 573 L13 AND (WOUND OR ISCHEMI?)

=> s 113 (p) (wound or ischemi?)

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L67 (P)'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L68 (P)'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L69 (P)'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L70 (P)'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L71 (P)'  
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH  
FIELD CODE - 'AND' OPERATOR ASSUMED 'L72 (P)'  
L15 573 L13 (P) (WOUND OR ISCHEMI?)

=> s hypothyroid? (p) ( heart or cardiac)

L16 4365 HYPOTHYROID? (P) (HEART OR CARDIAC)

=> s 116 (p) (wound or ischemi?)

L17 177 L16 (P) (WOUND OR ISCHEMI?)

=> dup rem 117

PROCESSING COMPLETED FOR L17  
L18 121 DUP REM L17 (56 DUPLICATES REMOVED)

=> s 118 an py<2001

MISSING OPERATOR L18 AN

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s 118 and py<2001

3 FILES SEARCHED...  
L19 95 L18 AND PY<2001

=> d 119 ibib abs 1-10

L19 ANSWER 1 OF 95 MEDLINE  
ACCESSION NUMBER: 2000080513 MEDLINE  
DOCUMENT NUMBER: 20080513 PubMed ID: 10614850  
TITLE: Combined cardiac surgery and total thyroidectomy: a case report.  
AUTHOR: Matsuyama K; Ueda Y; Ogino H; Sugita T; Nishizawa J;  
Matsubayashi K; Yoshimura S; Yoshioka T; Tokuda Y  
CORPORATE SOURCE: Department of Cardiovascular Surgery, Tenri Hospital,  
Nara, Japan.  
SOURCE: JAPANESE CIRCULATION JOURNAL, (1999 Dec) 63 (12)  
1004-6.  
PUB. COUNTRY: Australia  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200001  
ENTRY DATE: Entered STN: 20000204  
Last Updated on STN: 20000204  
Entered Medline: 20000127

AB A 65-year-old woman with aortic stenosis, **ischemic heart** disease, and Graves' disease had complained of effort angina. She then suffered from liver dysfunction due to treatment with antithyroid drugs. One year after the start of radioiodine administration, she demonstrated unstable angina with palpitation and sweating. Laboratory studies

revealed a recurrent hyperthyroid state, and a second coronary angiogram revealed progressive **ischemic heart** disease. Combined coronary artery bypass grafting, aortic valve replacement, and total thyroidectomy were performed. The postoperative course was uneventful without any problems associated with hyperthyroidism or **hypothyroidism**. Combined **cardiac** surgery and total thyroidectomy can be performed safely if the perioperative levels of thyroid hormone are maintained at euthyroid or **hypothyroid** levels.

L19 ANSWER 2 OF 95 MEDLINE  
ACCESSION NUMBER: 97430416 MEDLINE  
DOCUMENT NUMBER: 97430416 PubMed ID: 9333319  
TITLE: [Hypothyroidism with pseudo-ischemic and hypertensive clinical presentation: physiopathological and diagnostic considerations].  
Ipotiroidismo a presentazione clinica pseudo-ischemica ed ipertensiva: considerazioni fisiopatologiche e diagnostiche.  
AUTHOR: La Brocca A  
CORPORATE SOURCE: Divisione di Medicina Interna, Ospedale Civile di Giaveno (TO), Azienda Regionale U.S.L. 5 di Torino.  
SOURCE: ANNALI ITALIANI DI MEDICINA INTERNA, (1997 Apr-Jun)  
12 (2) 94-7.  
PUB. COUNTRY: Italy  
Journal code: 8806705. ISSN: 0393-9340.

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: Italian  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199710  
ENTRY DATE: Entered STN: 19971024  
Last Updated on STN: 19971024  
Entered Medline: 19971014

AB Serious primary **hypothyroidism**, disclosed fortuitously through routine thyroid function test derangements, was found in a 40-year-old woman admitted to the hospital with a tentative diagnosis of **ischemic heart** disease. The clinical picture and electrocardiographic alterations of **pseudo-ischemic heart** disease associated with hypertension, particularly diastolic, may be the only significant manifestations of **hypothyroidism**. Substitutive hormone replacement therapy enables a good prognosis for children and young adults. A diagnosis of **hypothyroidism** should be considered during the initial evaluation of **pseudo-ischemic**, hypertensive and hypercholesterolemic patients, even when no other signs or clinical symptoms of hormonal deficiency are evident. Particular attention should be paid to female patients, as they are much more frequently affected by thyroid pathologies.

L19 ANSWER 3 OF 95 MEDLINE  
ACCESSION NUMBER: 97249722 MEDLINE  
DOCUMENT NUMBER: 97249722 PubMed ID: 9095585  
TITLE: A case report on successful coronary artery bypass grafting (CABG) for angina pectoris combined with hypothyroidism.  
AUTHOR: Furukawa K; Ooteki H; Dci K; Shiraishi R  
CORPORATE SOURCE: Department of Cardiovascular Surgery, Saga Prefectural Hospital Koseikan, Japan.  
SOURCE: KYOBU GEKA. JAPANESE JOURNAL OF THORACIC SURGERY, (1997 Apr) 50 (4) 275-8.  
Jurnal code: 0413533. ISSN: 0021-5252.  
PUB. COUNTRY: Japan  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: Japanese  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199705  
ENTRY DATE: Entered STN: 19970523  
Last Updated on STN: 19970523  
Entered Medline: 19970514

AB Coronary artery bypass grafting (CABG) for patients with **ischemic heart** disease and **hypothyroidism** contains many controversies, such as a need of preoperative thyroid replacement therapy and the influences on thyroid function and hemodynamics. A 73-year-old man with three vessel disease including left main trunk lesion was admitted for CABG. Primary **hypothyroidism** was diagnosed after admission because of high CPK value. The CABG was performed safely with preoperative minimal thyroid replacement and his postoperative course was uneventful. We evaluated the change of perioperative thyroid hormones. At the start of the extracorporeal (ECC), values of T3 and free-T3 decreased progressively, but the change was small. On the other hand, values of T4 and free-T4 increased after the start of ECC. It is suggested that CABG for a patient with angina and **hypothyroidism** can be performed safely with minimal preoperative thyroid replacement therapy.

L19 ANSWER 4 OF 95 MEDLINE  
ACCESSION NUMBER: 97123428 MEDLINE  
DOCUMENT NUMBER: 97123428 PubMed ID: 8968675  
TITLE: The use of thyroid hormone in cardiac surgery.  
AUTHOR: Dyke C

CORPORATE SOURCE: University of Pittsburgh Medical Center, PA 15213, USA.  
SOURCE: CURRENT OPINION IN CARDIOLOGY, (1996 Nov) 11 (6)  
603-9. Ref: 51  
Journal code: 8608087. ISSN: 0268-4705.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199703  
ENTRY DATE: Entered STN: 19970321  
Last Updated on STN: 19980206  
Entered Medline: 19970310  
AB Cardiopulmonary bypass has been demonstrated to produce a state of functional **hypothyroidism** characterized by low levels of circulating tri-iodothyronine and elevated levels of reverse Tri-iodothyronine. This low tri-iodothyronine state may have significant hemodynamic consequences similar to that seen with chronic **hypothyroidism**. In a number of experimental models, evidence has accumulated suggesting that tri-iodothyronine supplementation to the **ischemically** injured **heart** enhances ventricular contractile performance. Clinically, tri-iodothyronine supplementation after **cardiac** surgery improves hemodynamics, although the population of patients who might benefit from this unconventional therapy remains unclear. In this article, the rationale and experimental evidence for the use of tri-iodothyronine during **cardiac** surgery are reviewed.

L19 ANSWER 5 OF 95 MEDLINE  
ACCESSION NUMBER: 97095617 MEDLINE  
DOCUMENT NUMBER: 97095617 PubMed ID: 8999378  
TITLE: [Hypothyroidism and megacolon].  
Ipotiroidismo e megacolon.  
AUTHOR: Fiorani S; Feda G; Cesarec R; Tomba G; Visentin P P  
CORPORATE SOURCE: Divisione di Anestesia e Rianimazione, Ospedale S. Pertini, Roma.

SOURCE: MINERVA ANESTESIOLOGICA, (1996 Jul-Aug) 62 (7-8)  
271-5.  
Journal code: 0375272. ISSN: 0375-9393.

PUB. COUNTRY: Italy  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: Italian  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199701  
ENTRY DATE: Entered STN: 19970219  
Last Updated on STN: 19970219  
Entered Medline: 19970121

AB A 71 years old woman, affected by **ischemic heart** disease from the age of 50 and by chronic constipation was admitted to the emergency department for drowsiness, intense dyspnea and acute abdominal distension. Laparotomy evidenced a megacolon. Because of the age and sex of the patient the congenital form of the megacolon was ruled out. No one of the more common causes of megacolon was recognized, but a severe hypothyroidism and Hashimoto's thyroiditis was discovered. Treatment with levothyroxine caused a progressive improvement of the general condition

of the patient and of the megacolon so that the authors hypothesize that the intestinal pseudo-occlusion was caused by the **hypothyroidism**. In this paper the authors make a thorough analysis of the literature about the association between **hypothyroidism** and megacolon. Although many hypothesis have been put forward about the possible pathogenetic association between these two diseases, until now no definitive result has

been reached. The authors, moreover, hypothesize that the pleural and pericardial effusion and the peculiar metabolic state characterized by plasma hyponatremia and hyposmolarity, with a constant urinary hyperosmolarity, were also caused by **hypothyroidism**; in fact the clinical and metabolic conditions improved after levothyroxine therapy.

In the end the authors discuss if it is preferable to use tetraiodothyronine or triiodothyronine for the treatment of intense **hypothyroidism** in a patient in critical clinical state.

L19 ANSWER 6 OF 95 MEDLINE  
ACCESSION NUMBER: 97031155 MEDLINE  
DOCUMENT NUMBER: 97031155 PubMed ID: 8877081  
TITLE: Effects of hypothyroidism on the vulnerability to ventricular fibrillation in dogs: a comparative study with amiodarone.  
AUTHOR: Liu P; Fei L; Wu W; Li J; Wang J; Zhang X  
CORPORATE SOURCE: Department of Cardiology, Sun Yat-sen Memorial Hospital, Sun Yat-sen University of Medical Sciences, Guangzhou, China.  
SOURCE: CARDIOVASCULAR DRUGS AND THERAPY, (1996 Jul) 10 (3) 369-78.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199701  
ENTRY DATE: Entered STN: 19970123  
Last Updated on STN: 19970128  
Entered Medline: 19970114

AB It has been shown that thyroid hormone has a significant effect on the **heart** and that suppression of thyroid function may contribute to the antiarrhythmic effect of amiodarone. The study was aimed at investigating the effects of **hypothyroidism**, compared with those of amiodarone, on vulnerability to ventricular fibrillation in dogs. In this study, 25 adult dogs were randomly divided into three groups: a **hypothyroid** group following total thyroidectomy ( $n = 9$ ), an amiodarone group ( $n = 8$ , 400 mg per day, 4 weeks), and a control group ( $n = 8$ ). Both amiodarone and control groups were subjected to sham surgery. Five to 8 weeks after surgery, ventricular fibrillation threshold and other electrophysiological parameters were determined. Right ventricular effective refractory period, monophasic action potential duration, and ventricular fibrillation threshold were significantly increased in both the thyroidectomized and amiodarone-treated animals. There was no significant change in monophasic action potential duration dispersion.

The incidence of ventricular fibrillation during **ischemia** and reperfusion was significantly reduced in both treated groups compared with the sham-operated euthyroid controls. These observations suggest that **hypothyroidism** has a significant antifibrillatory effect in dogs. Homogeneous prolongation of repolarization and refractoriness may contribute to the antifibrillatory action of **hypothyroidism**.

L19 ANSWER 7 OF 95 MEDLINE  
ACCESSION NUMBER: 97004669 MEDLINE  
DOCUMENT NUMBER: 97004669 PubMed ID: 8851980  
TITLE: Comparison of the outcome between the calculated dosimetry and the estimated dosimetry of  $^{131}\text{I}$  in the treatment of hyperthyroidism.  
AUTHOR: Sun J H; Huang H S; Huang M J; Huang B Y; Lin J D; Hsu B R;  
CORPORATE SOURCE: Chiou S C; Lo S K Department of Internal Medicine, Chang Gung Medical College

SOURCE:

PUB. COUNTRY: TAIWAN: Taiwan, Province of China  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199612  
ENTRY DATE: Entered STN: 19970128  
Last Updated on STN: 20000303  
Entered Medline: 19961206

AB To compare the outcomes of different methods in prescribing the optimal dose of radioactive iodine (131I) for the treatment of hyperthyroidism,

we retrospectively analyzed 52 patients with toxic diffuse goiter. They received single dose of 131I for the treatment of hyperthyroidism. In addition, all of them met the following criteria: 1) symptoms and signs

of hyperthyroidism; 2) elevated blood triiodothyronine (T3) and thyroxin

(T4) by radioimmunoassay (RIA) method; 3) diffuse goiter with increase of uptake proved by thyroid scintiscan; 4) only one dose of 131I was given during the follow-up period; 5) well-documented thyroid function test in the medical chart during the follow-up period (6 months, 1 year, 2 years and 5 years after 131I therapy). The enrolled patients were divided into estimated and calculated group. The dose of 131I in the calculated group was obtained from the measurement of size and 131I uptake of thyroid gland. The dose of 131I in the estimated group was prescribed according

to the size of thyroid gland by physical examination, and the association with **cardiac** arrhythmia, congestive **heart** failure, or **ischemic heart** disease. The mean doses of 131I were 4.8 +/- 1.4 mCi and 7.0 +/- 1.1 mCi in the calculated and estimated group respectively. In this study, there were no significant difference in the incidence of euthyroidism, hyperthyroidism, and **hypothyroidism** between these two groups in the follow-up period after 131I therapy. In view of simplicity and time-saving, it is a practical choice to prescribe the dose of 131I therapy for toxic diffuse goiter according to the size

of thyroid gland and the associated **cardiac** condition.

L19 ANSWER 8 OF 95 MEDLINE  
ACCESSION NUMBER: 96434353 MEDLINE  
DOCUMENT NUMBER: 96434353 PubMed ID: 8837320  
TITLE: The development of ischemic heart disease in relation to autoimmune thyroid disease in a 20-year follow-up study of an English community.

AUTHOR: Vanderpump M P; Tunbridge W M; French J M; Appleton D; Bates D; Clark F; Grimley Evans J; Rodgers H; Tunbridge F; Young E T

CORPORATE SOURCE: Department of Medicine, Newcastle General Hospital, Newcastle upon Tyne, United Kingdom.

SOURCE: THYROID, (1996 Jun) 6 (3) 155-60.  
Journal code: 9104317. ISSN: 1050-7256.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199612  
ENTRY DATE: Entered STN: 19970128  
Last Updated on STN: 19970128  
Entered Medline: 19961212

AB The original Whickham Survey documented risk factors for cardiovascular disease and the prevalence of thyroid disorders in a sample of 2779 adults

that closely matched the British population. A 20-year follow-up study has determined outcomes in terms of morbidity and mortality from **ischemic heart** disease in over 97% of the original survey population. Analysis of deaths from all causes and from **ischemic heart** disease showed no association with **ischemic heart** disease identified at first survey. A multiple antithyroid antibody status identified at first survey. A multiple logistic regression using the development of **ischemic heart** disease in the total population at follow-up as the dependent variable found that the significant predictor variables for men were age, cholesterol, mean arterial blood pressure, smoking history, and skinfold thickness index. For women only age, cholesterol, and mean arterial blood pressure were significant. The presence of autoimmune thyroid disease, as defined by either **hypothyroidism**, positive antithyroid antibodies, or raised serum thyrotropin at first survey, was not significant. A retrospective cohort study of a subsample of women identified at first survey with positive antithyroid antibodies or raised serum thyrotropin and closely matched controls found no significant association with mortality or development of **ischemic heart** disease. There is no evidence from this study to suggest that evidence of autoimmune thyroid disease identified 20 years ago is associated with an increased risk of **ischemic heart** disease.

L19 ANSWER 9 OF 95 MEDLINE  
ACCESSION NUMBER: 96388717 MEDLINE  
DOCUMENT NUMBER: 96388717 PubMed ID: 8796117  
TITLE: Acute L-triiodothyronine administration potentiates  
inotropic responses to beta-adrenergic stimulation in the  
isolated perfused rat heart.  
AUTHOR: Tielens E T; Forder J R; Chatham J C; Marrelli S P;  
Ladenson P W  
CORPORATE SOURCE: Department of Medicine, Johns Hopkins University School of  
Medicine, Baltimore, MD, USA.  
SOURCE: CARDIOVASCULAR RESEARCH. (1996 Aug) 32 (2)  
306-10.  
Journal code: 0077427. ISSN: 0008-6363.

PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199701  
ENTRY DATE: Entered STN: 19970219  
Last Updated on STN: 19970219  
Entered Medline: 19970128

Entered Medline: 1997/01/20  
AB OBJECTIVE: Acute inotropic effects of triiodothyronine (T3) have been reported, employing both *in vivo* experimental animal models and *in vitro* isolated **heart** perfusions. However, the mechanisms responsible for these acute inotropic effects remain unclear. The aim of this study, therefore, was to delineate the role of the beta-adrenergic receptor system in these acute responses. METHODS: The hearts from both euthyroid and **hypothyroid** (treated with 0.05% PTU in drinking water) male Sprague-Dawley rats were used in 5 experimental study protocols. Hearts from euthyroid rats were perfused with buffer containing either T3(10(-7) M) or control while continuously recording left ventricular function for 10 min ('acute effects'). Two-hour perfusions ('subacute effects') and **cardiac** responses following increasing doses of isoproterenol (10(-10) to 10(-6) M) in the presence or absence of T3-containing buffer (acute interaction) were also determined. In **hypothyroid** rats, the subacute responses and the acute interactions were investigated. RESULTS: In the presence of T3, an acute, significant potentiation of the inotropic responses following beta-adrenergic stimulation with isoproterenol was observed in both rat cohorts, which was more pronounced in hearts from euthyroid rats. An acute (< 40 s), but transient (79 +/- 8 s), direct inotropic response was observed in hearts from euthyroid rats. No **cardiac** responses were seen during a 2-h perfusion in hearts.

from either euthyroid or **hypothyroid** rats. CONCLUSIONS: The acute inotropic effects of T3 in non-**ischemic** myocardium probably result from an acute interaction between T3 and catecholamines rather than through a direct inotropic effect of T3 alone.

L19 ANSWER 10 OF 95 MEDLINE  
ACCESSION NUMBER: 94309221 MEDLINE  
DOCUMENT NUMBER: 94309221 PubMed ID: 8035546  
TITLE: [State of myocardial perfusion in patients with primary hypothyroidism as evidenced by myocardial Tl-201 scintigraphy].  
Sostoianie perfuzii miokarda u bol'nykh pervichnym gipotireozom po dannym stsintigrafii miokarda s 201 Tl. Samoilenko L E; Sergienko V B; Boletina M G; Slavina L S; Sidorenko B A; Korolev S V  
AUTHOR:  
SOURCE: KARDIOLOGIIA, (1993) 33 (1) 48-51.  
Journal code: 0376351. ISSN: 0022-9040.  
PUB. COUNTRY: RUSSIA: Russian Federation  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: Russian  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199408  
ENTRY DATE: Entered STN: 19940825  
Last Updated on STN: 19940825  
Entered Medline: 19940815  
AB To study the myocardial perfusion in primary **hypothyroidism** accompanied by **cardiac** pain feelings, a total of 21 patients aged 30-60 years were examined by using resting 201Tl myocardial scintigraphy and in combination with bicycle ergometric testing. At rest all the patients showed impaired myocardial perfusion. A decrease in 201Tl accumulation, which corresponded to the areas of impaired perfusion, was observed in 54% of segments. A severe impairment of myocardial 201Tl washout was recorded in all the patients. During exercise 201Tl myocardial scintigraphy, steady-state myocardial perfusion impairments with normal washout were recorded in most patients. Areas of transient myocardial **ischemia** were revealed in 3 patients during scintigraphy in combination with bicycle ergometric testing. The findings suggest that patients with primary **hypothyroidism** have myocardial perfusion impairments which are likely to be reflected by dystrophic processes. Along with these abnormalities, exercise myocardial scintigraphy makes it possible to detect transient perfusion alterations in some patients, which indicates that they have myocardial **ischemia**.

=> s heart adj wound?

L20 0 HEART ADJ WOUND?

=> s heart (p)wound?

L21 5407 HEART (P) WOUND?

=> s 121 and propylthiouracil

L22 48 L21 AND PROPYLTHIOURACIL

=> dup rem 122

=> b medline caplus lifesci embase uspatfull bicsis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
	0.21	0.21

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 10:35:26 ON 09 OCT 2002

FILE 'CAPLUS' ENTERED AT 10:35:26 ON 09 OCT 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'LIFESCI' ENTERED AT 10:35:26 ON 09 OCT 2002  
COPYRIGHT (C) 2002 Cambridge Scientific Abstracts (CSA)

FILE 'EMBASE' ENTERED AT 10:35:26 ON 09 OCT 2002  
COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.

FILE 'USPATFULL' ENTERED AT 10:35:26 ON 09 OCT 2002  
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 10:35:26 ON 09 OCT 2002  
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC. (R)

=> e heber-katz ?/au

E1	5	HEBER WALTER/AU
E2	1	HEBER WALTER W/AU
E3	0	--> HEBER-KATZ ?/AU
E4	2	HEBERAL A/AU
E5	4	HEBERARD X/AU
E6	1	HEBERARD XAVIER/AU
E7	1	HEBERBAND J/AU
E8	18	HEBERDEN C/AU
E9	15	HEBERDEN CHRISTINE/AU
E10	3	HEBERDEN E/AU
E11	8	HEBERDEN F/AU
E12	8	HEBERDEN SOC/AU

=> e heber katz ?/au

E1	3	HEBER K V/AU
E2	1	HEBER KATHLEEN M/AU
E3	0	--> HEBER KATZ ?/AU
E4	247	HEBER KATE E/AU
E5	2	HEBER KATE E */AU
E6	78	HEBER KATZ ELLEN/AU
E7	3	HEBER KENNETH R/AU
E8	1	HEBER KLAUS/AU
E9	1	HEBER KLAUS DETLEF/AU
E10	1	HEBER KURT V/AU
E11	20	HEBER L/AU
E12	1	HEBER L M/AU

=> s e4-6

L1 327 ("HEBER KATZ E"/AU OR "HEBER KATZ E \*/AU OR "HEBER KATZ ELLEN"/

=> s 11 and (cardiac or heart)

L2 7 L1 AND (CARDIAC OR HEART)

=> dup rem 12

PROCESSING COMPLETED FOR L2

L3 3 DUP REM L2 (4 DUPLICATES REMOVED)

=> d 13 ibib abs tot

L3 ANSWER 1 OF 3 MEDLINE  
 ACCESSION NUMBER: 2002488914 IN-PROCESS  
 DOCUMENT NUMBER: 22237132 PubMed ID: 12324214  
 TITLE: The scarless **heart**.  
 AUTHOR: Leferovich John; **Heber-Katz Ellen**  
 CORPORATE SOURCE: The Wistar Institute, 3601 Spruce Street, 19104,  
 Philadelphia, PA, USA.  
 SOURCE: SEMINARS IN CELL AND DEVELOPMENTAL BIOLOGY, (2002 Oct) 13  
 (5) 327.  
 Journal code: 9607332. ISSN: 1084-9521.  
 PUB. COUNTRY: England: United Kingdom  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals  
 ENTRY DATE: Entered STN: 20020927  
 Last Updated on STN: 20020927

AB Over the past several years many mechanisms by which myocardial replacement could be achieved have been described. These include resident **cardiac** stem cells or circulating stem cells that can either differentiate into, or fuse to cardiomyocytes, or mature cells that can transdifferentiate into cardiomyocytes. However, the fact remains that after injury to the **heart**, the overriding response is scar formation with little myocardial replacement. One exception to this response is the MRL mouse, which heals with little scarring and shows nearly full myocardial replacement after injury. Results obtained with this model will be discussed.

DUPLICATE 1

L3 ANSWER 2 OF 3 MEDLINE  
 ACCESSION NUMBER: 2001459208 MEDLINE  
 DOCUMENT NUMBER: 21396573 PubMed ID: 11493713  
 TITLE: **Heart** regeneration in adult MRL mice.  
 AUTHOR: Leferovich J M; Bedelbaeva K; Samulewicz S; Zhang X M;  
 Zwas L; Lankford E B; **Heber-Katz E**  
 CORPORATE SOURCE: The Wistar Institute, Philadelphia, PA 19104, USA.  
 CONTRACT NUMBER: AI42395 (NIAID)  
 SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE  
 UNITED STATES OF AMERICA, (2001 Aug 14) 98 (17) 9830-5.  
 Journal code: 7505876. ISSN: 0027-8424.  
 PUB. COUNTRY: United States  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200109  
 ENTRY DATE: Entered STN: 20010816  
 Last Updated on STN: 20010924  
 Entered Medline: 20010920

AB The reaction of **cardiac** tissue to acute injury involves interacting cascades of cellular and molecular responses that encompass inflammation, hormonal signaling, extracellular matrix remodeling, and compensatory adaptation of myocytes. Myocardial regeneration is observed in amphibians, whereas scar formation characterizes **cardiac**

ventricular wound healing in a variety of mammalian injury models. We have previously shown that the MRL mouse strain has an extraordinary capacity to heal surgical wounds, a complex trait that maps to at least seven genetic loci. Here, we extend these studies to **cardiac** wounds and demonstrate that a severe transmural, cryogenically induced

infarction of the right ventricle heals extensively within 60 days, with the restoration of normal myocardium and function. Scarring is markedly reduced in MRL mice compared with C57BL/6 mice, consistent with both the reduced hydroxyproline levels seen after injury and an elevated cardiomyocyte mitotic index of 10-20% for the MRL compared with 1-3% for the C57BL/6. The myocardial response to injury observed in these mice resembles the regenerative process seen in amphibians.

L3 ANSWER 3 OF 3 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2002:264509 BIOSIS  
DOCUMENT NUMBER: FREV200200264509  
TITLE: Transthoracic echocardiography can detect right ventricular injury in mice.  
AUTHOR(S): Zwas, Donna R. (1); Leferovich, John; **Heber-Katz, Ellen**; Lankford, Edward B.  
CORPORATE SOURCE: (1) Thomas Jefferson Univ, Philadelphia, PA USA  
SOURCE: Circulation, (October 23, 2001) Vol. 104, No. 17 Supplement, pp. II.564. <http://circ.ahajournals.org/>. print.  
Meeting Info.: Scientific Sessions 2001 of the American Heart Association Anaheim, California, USA November 11-14, 2001  
ISSN: 0009-7322.  
DOCUMENT TYPE: Conference  
LANGUAGE: English

=> d history

(FILE 'HOME' ENTERED AT 10:35:09 ON 09 OCT 2002)  
FILE 'MEDLINE, CAPLUS, LIFESCI, EMBASE, USPATFULL, BIOSIS' ENTERED AT 10:35:26 ON 09 OCT 2002  
E HEBER-KATZ ?/AU  
E HEBER-KATZ ?/AU  
L1 327 S E4-6  
L2 7 S L1 AND (CARDIAC OR HEART)  
L3 3 DUP REM L2 (4 DUPLICATES REMOVED)

=> dup rem 11

PROCESSING COMPLETED FOR L1  
L4 127 DUP REM L1 (200 DUPLICATES REMOVED)

=> s 14 not 12

L5 124 L4 NOT L2

=> d 15 ibib abs 1-20

L5 ANSWER 1 OF 124 MEDLINE  
ACCESSION NUMBER: 2002435132 IN-PROCESS  
DOCUMENT NUMBER: 22180355 PubMed ID: 12191003  
TITLE: Expression of preadipocyte factor-1(Pref-1), a delta-like protein, in healing mouse ears.  
AUTHOR: Samulewicz Stefan Jude; Seitz Alexander; Clark Lise;

**Heber-Katz Ellen**

CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania.  
SOURCE: WOUND REPAIR AND REGENERATION, (2002 Jul-Aug) 10 (4)  
215-21.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English  
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals

ENTRY DATE: Entered STN: 20020823  
Last Updated on STN: 20020823

AB Preadipocyte factor-1 (Pref-1), a delta-like protein containing epidermal growth factor-repeats, is expressed in proliferating cells in a variety of tissues and is believed to be involved in maintaining the undifferentiated

state of these cells. Using microarray analysis, reverse transcriptase-polymerase chain reaction, in-situ hybridization, and immunohistochemistry, we have identified Pref-1 expression in the healing ears of two strains of mice, MRL and C57BL/6. MRL is unusual in that ear punches completely regenerate the ear tissue along with new cartilage

with no scarring. Pref-1 is more highly expressed in the MRL wounds, is uniquely found in a condensation of cells within the regenerating tissue of the blastema, and may contribute to the regenerative capacity of the MRL ear wound. (WOUND REP REG 2002;10:215-221)

L5 ANSWER 2 OF 124 MEDLINE

ACCESSION NUMBER: 2002152463 MEDLINE  
DOCUMENT NUMBER: 21881902 PubMed ID: 11884574

TITLE: Mapping of genes involved in murine herpes simplex virus keratitis: identification of genes and their modifiers.

AUTHOR: Norose Kazumi; Yano Akihiko; Zhang Xiang-Ming; Blankenhorn Elizabeth; **Heber-Katz Ellen**

CORPORATE SOURCE: Department of Infection and Host Defense, Graduate School of Medicine, Chiba University, Inohana, Chuo-ku, Chiba, Japan.

CONTRACT NUMBER: AI42395 (NIAID)  
SOURCE: JOURNAL OF VIROLOGY, (2002 Apr) 76 (7) 3502-10.  
Journal code: 0113724. ISSN: 0022-538X.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English  
FILE SEGMENT: Priority Journals

ENTRY MONTH: 200204  
ENTRY DATE: Entered STN: 20020311  
Last Updated on STN: 20020420

Entered Medline: 20020419

AB Herpes simplex keratitis (HSK) is an inflammatory response to viral infection and self antigens in the cornea and is a major cause of blindness. Using two strains of mice which are susceptible (129/SVEV) and resistant (C57BL/6) to herpes simplex virus (HSV) strain KOS, (129/SVEV x C57BL/6)F(2) mice were generated and examined for their disease susceptibility in terms of clinical symptoms, ocular disease, and antibody

production following corneal scarification with HSV (KOS). A genome-wide screen was carried out using microsatellite markers to determine the genetic loci involved in this response. Loci on chromosomes 4, 5, 12, 13, and 14 were shown to be involved in general susceptibility to clinical disease, whereas loci on chromosomes 10 and 17 were shown to be unique to ocular disease.

L5 ANSWER 3 OF 124 MEDLINE

ACCESSION NUMBER: 2002085509 MEDLINE

DOCUMENT NUMBER: 21671526 PubMed ID: 11813238  
TITLE: Recovery from spinal cord injury: a new transection model

AUTHOR: in the C57Bl/6 mouse.  
CORPORATE SOURCE: Seitz Alexander; Aglow Elsa; **Heber-Katz Ellen**  
USA. The Wistar Institute, Philadelphia, Pennsylvania 19104,  
JOURNAL OF NEUROSCIENCE RESEARCH, (2002 Feb 1) 67 (3)  
337-45.  
SOURCE: Journal code: 7600111. ISSN: 0360-4012.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200202  
ENTRY DATE: Entered STN: 20020129  
Last Updated on STN: 20020226  
Entered Medline: 20020225

AB Spinal cord transections in mammalian animal models lead to loss of motor function. In this study, we show that functional recovery from complete transection of the adult mouse spinal cord can in fact occur without any intervention if dural injury along with displacement of the ends of the cut cord and fibroblastic infiltration is minimized. Underlying this function is the expression of GAP-43 in axonal growth cones, axonal extension and bridging of the injury site indicated by biocytin

retrograde tracing and neuronal remodeling of both the white matter and the gray matter. Such studies suggest a new murine model for the study of spinal cord regeneration.

Copyright 2002 Wiley-Liss, Inc.

L5 ANSWER 4 OF 124 MEDLINE  
ACCESSION NUMBER: 2001483033 MEDLINE  
DOCUMENT NUMBER: 21417489 PubMed ID: 11525801  
TITLE: Expression of Golli mRNA during development in primary  
immune lymphoid organs of the rat.  
AUTHOR: Skorupa A F; Brezinski S C; Lesh G; **Heber-Katz E**;  
McMorris F A  
CORPORATE SOURCE: The Wistar Institute, Philadelphia, PA 19104, USA.  
CONTRACT NUMBER: NS11037 (NINDS)  
NS32122 (NINDS)  
NS33902 (NINDS)

SOURCE: JOURNAL OF NEUROIMMUNOLOGY, (2001 Sep 3) 119 (1) 64-72.  
Journal code: 6109498. ISSN: 0165-5728.  
PUB. COUNTRY: Netherlands  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200110  
ENTRY DATE: Entered STN: 20010830  
Last Updated on STN: 20011008  
Entered Medline: 20011004

AB The gene-of-the-oligodendrocyte lineage (Golli)-MBP transcription unit contains three Golli-specific exons together with eight exons of the "classical" myelin basic protein (MBP) gene, yielding alternatively spliced proteins which share amino acid sequence with MBP. Unlike MBP, a late antigen expressed only in the nervous system, Golli gene products

are expressed pre- and post-natally at many sites. In this study, we determined the sequence of Golli in rat by RT-PCR and 5' RACE and showed that Golli sequences are expressed in primary lymphoid organs as early as e16.5, which could explain the anergic rat T cell response we previously observed in Golli-induced meningitis.

L5 ANSWER 5 OF 124 MEDLINE  
ACCESSION NUMBER: 1999428738 MEDLINE  
DOCUMENT NUMBER: 99428738 PubMed ID: 10497098  
TITLE: The regenerating mouse ear.  
AUTHOR: **Heber-Katz E**

CORPORATE SOURCE: Wistar Institute, 3601 Spruce Street, Philadelphia, PA,  
19104, USA.  
CONTRACT NUMBER: AI42395 (NIAID)  
SOURCE: SEMINARS IN CELL AND DEVELOPMENTAL BIOLOGY, (1999 Aug) 10  
(4) 415-9. Ref: 29  
Journal code: 9607332. ISSN: 1084-9521.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199911  
ENTRY DATE: Entered STN: 20000111  
Last Updated on STN: 20000111  
Entered Medline: 19991122

L5 ANSWER 6 OF 124 MEDLINE  
ACCESSION NUMBER: 1999240534 MEDLINE  
DOCUMENT NUMBER: 99240534 PubMed ID: 10222027  
TITLE: Tolerance induction by acylated peptides: effect on  
encephalitogenic T cell lines.  
AUTHOR: St Louis J; Zhang X M; **Heber-Katz E**; Uniyal S;  
Pobbinson D; Singh B; Strejan G H  
COPPORATE SOURCE: The John P. Robarts Research Institute, University of  
Western Ontario, Health Sciences Center, London, Ontario,  
N6A 5C1, Canada.  
CONTRACT NUMBER: NS11037 (NINDS)  
SOURCE: JOURNAL OF AUTOIMMUNITY, (1999 May) 12 (3) 177-89.  
Journal code: 8812164. ISSN: 0896-8411.

PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199907  
ENTRY DATE: Entered STN: 19990727  
Last Updated on STN: 20000303  
Entered Medline: 19990713

AB We reported previously that acylation of an encephalitogenic peptide of  
myelin basic protein (MBP68-86) by attachment of palmitoyl chloride  
(PAL68-86) converted this peptide into a powerful tolerogen for EAE in  
the

Lewis rat. In this study we show that T cell lines derived from a  
PAL68-86-protected rat proliferated poorly to MBP68-86 in vitro, even  
after repeated passages in this peptide and IL-2. Conversely, T cell  
lines

derived from untreated rats that were challenged with MBP68-86 or  
PAL68-86

in CFA responded vigorously to MBP68-86 when propagated for many passages  
in this peptide but became gradually unresponsive after being propagated  
in the presence of PAL68-86. The modulation of the T cell lines by  
PAL68-86 in vitro was reflected by a significant reduction in their  
ability to transfer EAE to recipients. A high percentage of cells stained  
with an anti-Vbeta8.2 antibody, regardless of whether they were  
propagated

in the presence of unmodified or acylated peptide. The results are  
consistent with the notion that tolerance induced by PAL68-86 operates by  
functional inactivation and provide the basis for the use of acylated  
peptides in the antigen-specific treatment of autoimmune diseases.

L5 ANSWER 7 OF 124 MEDLINE  
ACCESSION NUMBER: 1999218460 MEDLINE  
DOCUMENT NUMBER: 99218460 PubMed ID: 10201962  
TITLE: Gollie-induced paralysis: a study in anergy and disease.  
AUTHOR: Clark L; Otvos L Jr; Stein P L; Zhang X M; Skorupa A F;  
Lesh G E; McMorris F A; **Heber-Katz E**

CORPORATE SOURCE: The Wistar Institute, Philadelphia, PA 19104, USA.

CONTRACT NUMBER: CA72806 (NCI)

GM45011 (NIGMS)

NS33902 (NINDS)

+

SOURCE: JOURNAL OF IMMUNOLOGY, (1999 Apr 1) 162 (7) 4300-10.

Journal code: 2985117R. ISSN: 0022-1767.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals

ENTRY MONTH: 199905

ENTRY DATE: Entered STN: 19990525

Last Updated on STN: 19990525

Entered Medline: 19990513

AB The Golli-MBP transcription unit contains three Golli-specific exons as well as the seven exons of the classical myelin basic protein (MBP) gene and encodes alternatively spliced proteins that share amino acid sequence with MBP. Unlike MBP, which is a late Ag expressed only in the nervous system, Golli exon-containing gene products are expressed both pre- and postnatally at many sites, including lymphoid tissue, as well as in the central nervous system. To investigate whether Golli-MBP peptides unique to Golli would result in neurological disease, we immunized rats and observed a novel neurological disease characterized by mild paralysis and the presence of groups of lymphocytes in the subarachnoid space but not

in the parenchyma of the brain. Disease was induced by Th1-type T cells that displayed an unusual activation phenotype. Primary stimulation *in vitro* induced T cell proliferation with increased surface CD45RC that did not become down-regulated as it did in other Ag-stimulated cultures.

Secondary stimulation of this CD45RChigh population with Ag, however, did not induce

proliferation or IL-2 production, although an IFN-gamma-producing population resulted. Proliferation could be induced by secondary stimulation with IL-2 or PMA-ionomycin, suggesting an anergic T cell population. Cells could adoptively transfer disease after secondary stimulation with IL-2, but not with Ag alone. These responses are suggestive of a chronically stimulated, anergic population that can be transiently activated to cause disease, fall back into an anergic state, and reactivated to cause disease again. Such a scenario may be important in chronic human disease.

L5 ANSWER 8 OF 124 MEDLINE

ACCESSION NUMBER: 1999072597 MEDLINE

DOCUMENT NUMBER: 99072597 PubMed ID: 9856777

TITLE: SPARC deficiency leads to early-onset cataractogenesis.

AUTHOR: Norose K; Clark J I; Syed N A; Basu A; **Heber-Katz E**

; Sage E H; Howe C C

COPPORATE SOURCE: The Wistar Institute, Philadelphia, Pennsylvania 19104, USA.

CONTRACT NUMBER: EY04542 (NEI)

GM40711 (NIGMS)

SOURCE: INVESTIGATIVE OPHTHALMOLOGY AND VISUAL SCIENCE, (1998 Dec)

39 (13) 2674-80.

Journal code: 7703701. ISSN: 0146-0404.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199812

ENTRY DATE: Entered STN: 19990115

Last Updated on STN: 19990115

Entered Medline: 19981221

AB PURPOSE: To determine the role of SPARC (secreted protein, acidic, and rich in cysteine) in cataractogenesis by examining mice deficient in a

matricellular protein SPARC. METHODS: Mice were rendered SPARC-deficient by a targeted disruption of the gene. Slit-lamp microscopy and histology were used to examine the eyes of SPARC-null and wild-type mice from birth to 14 months of age. RESULTS: SPARC-null mice developed opacities in the posterior cortex of the eye as early as 1.5 months after birth. The diffuse cataracts appeared to progress toward the anterior cortex and reached maturity in many animals by 3.5 months of age. Early stages of cataractogenesis in SPARC-null mice included inhibition of normal lens fiber cell differentiation, degeneration of fiber cells, vacuole formation and disorganization of the cortex. No cataracts were

formation at the equator, and liquefaction of the cortex. No cataracts were

detected in wild-type mice up to the age of 8 months. CONCLUSIONS: The early onset of cataracts in SPARC-null mice establishes that the gene is essential to the maintenance of lens transparency.

L5 ANSWER 9 OF 124 MEDLINE  
ACCESSION NUMBER: 1998426232 MEDLINE  
DOCUMENT NUMBER: 98426232 PubMed ID: 9751744  
TITLE: Genetic analysis of a mammalian wound-healing trait.  
AUTHOR: McBrearty B A; Clark L D; Zhang X M; Blankenhorn E P;  
CORPORATE SOURCE: **Heber-Katz E**  
Wistar Institute, 3400 Spruce Street, Philadelphia, PA  
19104, USA.  
SOURCE: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE  
UNITED STATES OF AMERICA, (1998 Sep 29) 95 (20) 11792-7.  
PUB. COUNTRY: Journal code: 7505876. ISSN: 0027-8424.  
DOCUMENT TYPE: United States  
LANGUAGE: Journal; Article; (JOURNAL ARTICLE)  
FILE SEGMENT: English  
ENTRY MONTH: Priority Journals  
ENTRY DATE: 199810  
Entered STN: 19981029  
Last Updated on STN: 19981029  
Entered Medline: 19981022

Entered Medline: 19980122

AB Wound healing of mammalian tissue is an essential process in the maintenance of body integrity. The general mechanism of wound healing usually studied in adult mammals is repair, in contrast to the regeneration seen in more primitive vertebrates. We recently have discovered that MRL/MpJ mice, unlike all other strains of mice tested, undergo rapid and complete wound closure that resembles regeneration. Specifically, through-and-through surgical ear hole wounds close without scarring in <4 weeks with normal gross and microanatomic architecture, including chondrogenesis. We also demonstrated that this healing is a heritable trait in inbred mice. In this study, we present results pertaining to its genetic control in progeny segregating for this phenotype. To identify the genetic loci that control the wound closure process, a genome-wide scan was performed on (MRL/MpJ-Faslpr x C57BL/6) F2 and backcross populations. In the primary screens of these populations, quantitative trait loci that control the extent of wound closure were detected on chromosomes 3, 12, and 15 and at two separate locations on chromosome 13. Evidence of further genetic control of healing was found on chromosome 7. All alleles that contribute to full wound closure are derived from the MRL/MpJ-Faslpr parent except for the quantitative trait locus on chromosome 8, which is derived from C57BL/6.

L5 ANSWER 10 OF 124 MEDLINE  
ACCESSION NUMBER: 1998350093 MEDLINE  
DOCUMENT NUMBER: 98350093 PubMed ID: 9683548  
TITLE: A new murine model for mammalian wound repair and regeneration.  
AUTHOR: Clark L D; Clark R K; **Heber-Katz E**  
CORPORATE SOURCE: The Wistar Institute, 3601 Spruce Street, Philadelphia,  
Pennsylvania, 19104, USA.  
SOURCE: CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY, (1998 Jul) 88 (1)

35-45.  
Journal code: 0356637. ISSN: 0090-1229.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199808  
ENTRY DATE: Entered STN: 19980828  
Last Updated on STN: 20000303  
Entered Medline: 19980817  
AB Regeneration is generally considered to be a phenomenon restricted to amphibians in which amputated limbs reform and regrow. We have recently noted a strain of mouse, the MRL, which displays a remarkable capacity for cartilagenous wound closure and provides an example of a phenomenon previously considered to be a form of regeneration. Specifically, through-and-through ear punches rapidly attain full closure with normal tissue architecture reminiscent of regeneration seen in amphibians as opposed to scarring, as usually seen in mammals. Histologically, we have demonstrated normal cell growth and microanatomy, including angiogenesis and chondrogenesis, as opposed to control C57BL/6 mice which have ear holes that contract minimally but do not close. Finally, this phenomenon is a genetically definable quantitative trait.  
Copyright 1998 Academic Press.

L5 ANSWER 11 OF 124 MEDLINE  
ACCESSION NUMBER: 1998140197 MEDLINE  
DOCUMENT NUMBER: 98140197 PubMed ID: 9479570  
TITLE: The interplay of T cell responses to viral and autoimmune epitopes.  
AUTHOR: **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104, USA..  
herberkatz@wista.wistar.upenn.edu  
SOURCE: IMMUNOLOGIC RESEARCH, (1998) 17 (1-2) 83-7. Ref: 21  
Journal code: 8611037. ISSN: 0257-277X.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199803  
ENTRY DATE: Entered STN: 19980407  
Last Updated on STN: 19980407  
Entered Medline: 19980324

AB The examination of the immune T cell response to herpes simplex virus (HSV) antigen glycoprotein D (gD) in an ongoing infection has revealed a uniquely broad range of antigenic determinants seen. This has been shown in the murine T cell response to gD determinants where over 60% of the overlapping peptides are recognized as opposed to 1 of 30 peptides seen when gD was injected in Freund's adjuvant. This has also been seen in the response to local autoantigens when the HSV infection is produced by corneal scarification. Furthermore, analysis of the response to the autoantigen, Golli myelin basic protein (MBP), present in the developing thymus is explored.

L5 ANSWER 12 OF 124 MEDLINE  
ACCESSION NUMBER: 1998112689 MEDLINE  
DOCUMENT NUMBER: 98112689 PubMed ID: 9452310  
TITLE: Effects of oral tolerance induction by myelin basic protein on Vbeta8+ Lewis rat T cells.  
AUTHOR: Goldman-Brezinski S; Brezinski K; Zhang X M; Gienapp I;  
Cox K; **Heber-Katz E**; Whitacre C  
CORPORATE SOURCE: The Wistar Institute, Philadelphia, Pennsylvania 19104,

CONTRACT NUMBER: AI35960 (NIAID)  
NS11037 (NINDS)  
NS23561 (NINDS)

SOURCE: + JOURNAL OF NEUROSCIENCE RESEARCH, (1998 Jan 1) 51 (1)  
67-75.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199803  
ENTRY DATE: Entered STN: 19980319  
Last Updated on STN: 19980319  
Entered Medline: 19980310

AB Encephalitogenic T cells from Lewis rats use a restricted T cell receptor (TCR) gene combination, Vbeta8.2 and Valpha2. The oral administration of myelin basic protein (MBP) to Lewis rats prior to encephalitogenic challenge results in a marked inhibition of clinical neurologic signs of encephalitis, reduced central nervous system pathology, suppressed T cell reactivity to MBP, and decreased serum anti-MBP antibody responses. The present study determined the TCR Vbeta8 gene usage in rats rendered

orally tolerant to MBP as compared with vehicle-fed or unfed controls. Total RNA was extracted from lymph node cells (LNC), Northern blots run, and hybridizations performed using a rat beta chain V region probe positive for Vbeta8.2. The results indicate that feeding MBP results in a decrease in Vbeta8+ TCR RNA expression in lymph nodes draining the site of encephalitogenic challenge. T cell proliferation was reduced in LNC of tolerized rats relative to control rats. No change in the Vbeta8+ TCR RNA expression or MBP reactivity was observed in the mesenteric lymph nodes (MLN) of vehicle-fed or MBP-fed rats, although an increase in cell number was found in the MLN of both groups. These results suggest that the mechanisms of orally induced tolerance involve local clonal deletion or migration of Vbeta8+ T cells, of which MBP-specific T cells are a part.

L5 ANSWER 13 OF 124 MEDLINE  
ACCESSION NUMBER: 97047168 MEDLINE  
DOCUMENT NUMBER: 97047168 PubMed ID: 8892088  
TITLE: Corneal infection with herpes simplex virus type 1 leads  
to

AUTHOR: autoimmune responses in rats.  
Clark L; Fareed M; Miller S D; Merryman C; **Heber-Katz**  
E

CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104, USA.  
CONTRACT NUMBER: AI 22528 (NIAID)

NS 33902 (NINDS) SOURCE: JOURNAL OF NEUROSCIENCE RESEARCH, (1996 Sep 15) 45 (6)  
770-5.

Journal code: 7600111. ISSN: 0360-4012.

PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199703  
ENTRY DATE: Entered STN: 19970327  
Last Updated on STN: 19970327  
Entered Medline: 19970314

AB Lewis rats were infected by corneal scarification with HSV type 1 type strain F virus. The animals showed symptoms of infection and inflammatory infiltrates of the eye but little mortality. After one month, immune responses to viral and autoantigens were examined. It was shown that

lymph node cells proliferated to the myelin antigen, proteolipoprotein, and the HSV antigen, glycoprotein D, but showed depressed responses to antigens

of

the eye, specifically corneal and retinal antigens. Splenic cells showed small but significant responses to antigens of the eye, indicating immune deviation similar to that previously demonstrated in ACAID, where antigen had been injected into the anterior chamber of the eye.

L5 ANSWER 14 OF 124 MEDLINE  
ACCESSION NUMBER: 97047163 MEDLINE  
DOCUMENT NUMBER: 97047163 PubMed ID: 8892083  
TITLE: Possible mechanism for the TCR beta-chain associated EAE resistance of LER rats.  
AUTHOR: Bcurque M M; Martin A M; Desquennes-Clark L;  
**Heber-Katz E**; Blankenhorn E F  
CORPORATE SOURCE: Department of Microbiology and Immunology, Medical College of Pennsylvania, Philadelphia, USA.  
CONTRACT NUMBER: RC1-NS11037 (NINDS)  
RO1-NS25519 (NINDS)  
SOURCE: JOURNAL OF NEUROSCIENCE RESEARCH, (1996 Sep 15) 45 (6)  
714-22.  
Journal code: 7600111. ISSN: 0360-4012.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199703  
ENTRY DATE: Entered STN: 19970327  
Last Updated on STN: 20000303  
Entered Medline: 19970314

AB LER rats are resistant to the active induction of experimental allergic encephalomyelitis (EAE). The mechanism of their resistance to EAE has yet to be defined, although LER rats are susceptible to adoptively transferred EAE. Genetic analysis of LER and the susceptible LEW rat suggests that a gene linked to the T cell receptor (TCR) beta-chain complex contributes

to EAE resistance. This result is consistent with the fact that EAE is a T cell mediated disease and one characterized in EAE-susceptible animals by an oligoclonal TCR V beta 8.2+ response. In this report, analysis of TCR transcripts by reverse transcriptase polymerase chain reaction (RT-PCR) and restriction digestion demonstrates that LER lymph nodes, collected on day 10 post-immunization with myelin basic protein (MBP), express both TCR-V beta 8.2 and other TCR beta chains, usually V beta 8.4, whereas LEW animals demonstrate preferential and almost exclusive use of V beta 8.2. Fluorescence-activated cell sorting (FACS) analyses of anti-MBP T cells confirm that LER T cells express V beta 8.2 TCR to a lesser degree than LEW T cells. Finally, experiments examining the oligo- or polyclonality of the TCRV beta CDR3 region show that the LER response to MBP is polyclonal, while the LEW response to MBP is oligoclonal. Therefore, the cumulative data on the TCR usage profiles in this report suggest that the choice of TCR variable beta-chain may contribute to the resistance seen in the LER rat.

L5 ANSWER 15 OF 124 MEDLINE  
ACCESSION NUMBER: 95373806 MEDLINE  
DOCUMENT NUMBER: 95373806 PubMed ID: 7544078  
TITLE: The relationship between human multiple sclerosis and rodent experimental allergic encephalomyelitis.  
AUTHOR: **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania 19104, USA.  
SOURCE: ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, (1995 Jul 7) 756 283-93. Fef: 56  
Journal code: 7506858. ISSN: 0077-8323.  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English

FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199509  
ENTRY DATE: Entered STN: 19950930  
Last Updated on STN: 20000303  
Entered Medline: 19950920

L5 ANSWER 16 OF 124 MEDLINE  
ACCESSION NUMBER: 95371689 MEDLINE  
DOCUMENT NUMBER: 95371689 PubMed ID: 7643858  
TITLE: An alternative view of T-cell receptor-MHC interaction:  
T-cell receptor binds transversally to the alpha-helices

of the MHC molecule.

AUTHOR: Tang X X; Ikegaki N; Danska J S; **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104, USA.  
CONTRACT NUMBER: AI-22528 (NIAID)  
SOURCE: MOLECULAR IMMUNOLOGY, (1995 Jun) 32 (9) 661-8.  
Journal code: 7905189. ISSN: 0161-5890.

PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199509  
ENTRY DATE: Entered STN: 19950930  
Last Updated on STN: 19950930  
Entered Medline: 19950921

AB We have attempted to elucidate the relative orientation of the T-cell receptor (TCR) to the major histocompatibility complex (MHC)-antigen complex during antigen recognition, using the T-cell response to B10.A (I-E<sup>k</sup>) and B10.A(5F) (I-Eb) mice to the 1-23(H) peptide derived from glycoprotein D of the herpes simplex virus. The 1-23(H)-specific T-cells derived from both B10.A and B10.A(5R) mice use the same set of V alpha genes and a different array of V beta genes. The CDR1s of these TCR beta chains share residues at particular positions. The CDR2s of the TCR beta chains have a negative charge, which correlates with I-Eb reactivity and with the positively charged polymorphic residues residing at the C-terminal end of the alpha-helix of the I-Eb beta chain of the class II molecule. Taken together, the data suggest that the TCR beta chain interacts with both the alpha and beta chains of the MHC class II molecule, as does the TCR alpha chain.

L5 ANSWER 17 OF 124 MEDLINE  
ACCESSION NUMBER: 94364633 MEDLINE  
DOCUMENT NUMBER: 94364633 PubMed ID: 7521858  
TITLE: Neuritogenic Lewis rat T cells use Tcrb chains that include a new Tcrb-V8 family member.  
AUTHOR: Zhang X M; Esch T R; Clark L; Gregorian S; Rostami A;  
Otvos L Jr; **Heber-Katz E**  
CORPORATE SOURCE: Wistar Institute, Philadelphia, PA 19104.  
CONTRACT NUMBER: AR39489 (NIAMS)  
NS08075 (NINDS)  
NS11036 (NINDS)  
+  
SOURCE: IMMUNOGENETICS, (1994) 40 (4) 266-70.  
Journal code: 0420404. ISSN: 0093-7711.  
United States  
PUB. COUNTRY: Journal; Article; (JOURNAL ARTICLE)  
DOCUMENT TYPE: English  
LANGUAGE: Priority Journals  
FILE SEGMENT: GENBANK-U06100; GENBANK-U06101; GENBANK-U06102;  
OTHER SOURCE: GENBANK-U06103; GENBANK-U06104  
ENTRY MONTH: 199410  
ENTRY DATE: Entered STN: 19941021  
Last Updated on STN: 19960129

Entered Medline: 19941012

AB The P2 protein obtained from Schwann cells induces a population of T cells

which, upon adoptive transfer, causes the disease experimental allergic neuritis (EAN), an animal model for Guillain-Barre syndrome. In this report, a truncated peptide, FR22, derived from a previously reported neuritogenic T-cell determinant, was used to generate from Lewis rats T cells that were shown to cause EAN. Since our previous studies showed

that

Tcrb-V8 was used by a majority of T-cell hybridomas specific for the neuritogenic peptide P26, which contains the FR22 sequence, we sequenced the Tcrb-V8+ mRNA from FR22-specific T-cell lines, and compared the sequences obtained with those obtained from similarly generated myelin basic protein (MBP) 68-88-specific Lewis rat T-cell lines. We found that in the EAN lines, several members of the Tcrb-V8 family were used, including a new family member, Tcrb-V8E. This was more diverse than the MBP-68-88-specific response in which only a single Tcrb-V8 family member was used. Also, in the EAN lines, the beta chain sequences did not show the same conserved junctional regions seen in the MBP lines. Thus, T-cell receptor beta chain usage in the response to this dominant neuritogenic peptide appears to be less restricted than the response to the dominant encephalitogenic determinant of MBP both in V region usage and in CDR3 usage.

L5 ANSWER 18 OF 124 MEDLINE

ACCESSION NUMBER: 94134085 MEDLINE  
DOCUMENT NUMBER: 94134085 PubMed ID: 8302301  
TITLE: Nucleotide sequences of three new members of the mouse V alpha 2 gene family.  
AUTHOR: Tang X X; Ikegaki N; **Heber-Katz E**  
CORPORATE SOURCE: Immunology Graduate Group, University of Pennsylvania, Philadelphia 19104.  
CONTRACT NUMBER: AI 22528 (NIAID)  
SOURCE: MOLECULAR IMMUNOLOGY, (1994 Jan) 31 (1) 78-82.  
JOURNAL: Journal code: 7305289. ISSN: 0161-5890.  
PUB. COUNTRY: ENGLAND: United Kingdom  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
OTHER SOURCE: GENBANK-L21699; GENBANK-L21700; GENBANK-L21701  
ENTRY MONTH: 199403  
ENTRY DATE: Entered STN: 19940318  
Last Updated on STN: 19940318  
Entered Medline: 19940304

L5 ANSWER 19 OF 124 MEDLINE

ACCESSION NUMBER: 93380012 MEDLINE  
DOCUMENT NUMBER: 93380012 PubMed ID: 7690307  
TITLE: Induction of peripheral tolerance with peptide-specific anergy in experimental autoimmune neuritis.  
AUTHOR: Gregorian S K; Clark L; **Heber-Katz E**; Amento E P; Rostami A  
CORPORATE SOURCE: Department of Neurology, School of Medicine, University of Pennsylvania, Philadelphia 19104.  
CONTRACT NUMBER: AR3489 (NIAMS)  
SOURCE: NS08075 (NINDS)  
PUB. COUNTRY: United States  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199310  
ENTRY DATE: Entered STN: 19931029  
Last Updated on STN: 19960129  
Entered Medline: 19931014

AB Neuritogenic T cells specific for SP-26, a synthetic peptide (residue 53-78) of myelin P2 protein that causes experimental autoimmune neuritis (EAN), use the same T cell receptor (TCR) V gene family (V beta 8) that can induce experimental autoimmune encephalomyelitis (EAE) in Lewis rats. Tolerance to autoregulatory T cells may be induced in rats by intravenous (iv) administration of antigen-coupled splenocytes; however, the mechanisms that lead to altered immune reactivity are not well understood.

Here we demonstrate that SP-26, when coupled to syngeneic spleen cells

and administered iv, either before or after disease induction, markedly inhibited development and expression of clinical signs and histological changes of EAN. The induction of tolerance by this method was peptide-specific and MHC-restricted. We showed previously that T cells involved in EAN utilize the T cell antigen receptor V beta 8, whereas

less than 5% of normal rat peripheral T cells express V beta 8. We have examined T lymphocytes from tolerized rats to determine the presence or absence of V beta 8(+)-bearing cells in order to determine the mechanism of tolerance. V beta 8 cells were undetectable by Northern blot analysis in the lymph nodes of unimmunized animals but easily detected in SP-26-primed and tolerized rats. In addition, spleen cells isolated from tolerized animals were anergic and failed to proliferate in response to SP-26, but retained responsiveness to IL-2 and Con A stimulation. Thus, the peptide-specific unresponsiveness that can be induced in rats with EAN, a T-cell-mediated process that is MHC-restricted and utilizes the T cell receptor V beta 8, occurs while V beta 8 transcripts remain readily detectable in spleen and lymph node cells. The detection of V beta 8-bearing T cells requires the development of antibodies specific for

this rat surface protein.

L5 ANSWER 20 OF 124 MEDLINE  
ACCESSION NUMBER: 93253340 MEDLINE  
DOCUMENT NUMBER: 93253340 PubMed ID: 7683709  
TITLE: The ups and downs of EAE.  
AUTHOR: Heber-Katz E  
CORPORATE SOURCE: Wistar Institute, Philadelphia, Pennsylvania.  
SOURCE: INTERNATIONAL REVIEWS OF IMMUNOLOGY, (1993) 9 (4) 277-85.  
Ref: 26  
Journal code: 8712260. ISSN: 0883-0185.

PUB. COUNTRY: Switzerland  
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)

LANGUAGE: English  
FILE SEGMENT: Priority Journals

ENTRY MONTH: 199306  
ENTRY DATE: Entered STN: 19930618  
Last Updated on STN: 20000303  
Entered Medline: 19930608

AB Experimental allergic encephalomyelitis (EAE) is considered the animal disease model for multiple sclerosis (MS) in humans. However, EAE is an acute disease whereas MS is a chronic disease. The on-off nature in both diseases of autoimmune reactivity suggests a regulatory response by the host, a response which can effect the autoreactive T cell by modulating-up or modulating-down. This review discusses various aspects of this regulation, seen after administration of autoantigen, of antibody directed at the T cell receptor (TcR), and of fragments of the TcR itself.

=>